Page

Н

5.1.6 Compugen Ltd. GenCore version Copyright (c) 1993 - 2005

protein search, using sw model • OM protein

March 9, 2005, 06:11:36 ; Search time 63.9452 Seconds (without alignments) 36.290 Million cell updates/sec Run on:

US-10-009-122-24 30 Title: Perfect score:

OKLVFF 6 Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2105692 segs, 386760381 residues Searched:

2105692 Total number of hits satisfying chosen parameters:

seq length: 0 seq length: 200000000 Minimum DB Maximum DB Maximum

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

genescap1990s: *
genescap1990s: *
genescap2000s: *
genescap2001s: *
genescap2001s: *
genescap2003s: *
genescap2003bs: *
genescap2003bs: * A_Geneseq_16Dec04:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ion	Beta-amyl	Amyloid b		Beta-amyl	Antifibri	Long form		Peptide #		Amyloid-b		Beta-amyl	Amyloid-b	Ξ.	Beta-	Beta-amyl	Amyloid b		Beta-amyl	Long form	Long		Beta amyl	Anti-	Solid-pha
Description	Aaw02313	Aaw45944	Aaw29090	Aaw89377	Aab48496	Abg71008	Abb05156	Aau11911	Adj64059	Adq37380	Adq37335	Adq37352	Adq37370	Aar45231	Aaw02312	Aaw02311	Aaw45940	Aaw89376	Aaw89375	Abg71006	Abg71007	Abb05154	Abb05155	Ada90153	Ada90936
OI OI	AAW02313	AAW45944	AAW29090	AAW89377	AAB48496	ABG71008	ABB05156	AAU11911	ADJ64059	ADQ37380	ADQ37335	ADQ37352	ADQ37370	AAR45231	AAW02312	AAW02311	AAW45940	AAW89376	AAW89375	ABG71006	ABG71007	ABB05154	ABB05155	ADA90153	ADA90936
DB	2	~	~	~	4	ഹ	'n	ഗ	œ	œ	œ	œ	œ	~	~	~	~	~	N	വ	Ŋ	ß	ഹ	9	9
% Query Match Length DB	9	φ	9	ø	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7	7	7	7	7	7
& Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Score	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Result No.	н	7	e	4	ហ	9	7	8	6	10	11	12	13	14	15	16	17	18	19	50	21	22	23	24	25

057	64058 AUMAR	37350 Beta-	37351 Beta-	aw02310 Beta-	aw45937 Amylc	39374 Beta-	71005 Long	35153 Beta	1056 Humar	7377 Amylc	7349 Beta-	5239 Muta	5935 Amy	3493 Ant:	113 Huma	167 Pept	7517 Di£	5436 Abet	74 Amy]	5981 Amy]	1609 Rad	7260 Vac	7376 Amy]	332 Ant	5934 Amy]	5226 Hum	6225 Huma	6224 Huma	16223 Hume	16227 Huma	2641 All	36829 Amy]	7511 Dif	15455 Abet	7280 Vac		7371 Amy]	7374 Amy]
ADJ64057	4 5 7	35	735	긆	33	7	2	2	5	3737	734	523	593	349	191	166	751	543	587	598	160	726	737	3733	593	522	522	622	4622	4622	264	9682	751	545	3728	3737	3737	737
ω (Σ α	ω (œ	7	7	7	ß	2	8	æ	æ	N	7	4	Ŋ	Ŋ	9	9	8	80	æ	8	æ	8	~	4	4	4	4	4	4	ហ	9	9	œ	æ	Φ	В
۲,			7	œ	80	ω	6 0	ω	80	œ	80	6	6	σ	σ	σ	6	6	σ	6	6	6	σ	σ												10		
100.0	2 2	88	.00	00	00	00	80	00	00	00	00	00	00	00	00	00	00	00	00	90	00	00	00	90	00	00	00	8	00	80	00	00	00	00	00	ö	00	00
30																																						
. 52	78	567	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	09	61	62	63	64	65

ALIGNMENTS

Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiomyopathy; isolated cardiomyopathy; bovine spongiform encephalopathy; Creutzfeld-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage. Beta-amyloid modulator peptide #4. AAW02313 standard; peptide; 6 AA. 96WO-US003492. 95US-00404831. 95US-00475579. (first entry) 14-MAR-1996; 14-MAR-1995; 07-JUN-1995; WO9628471-A1 02-MAY-1997 19-SEP-1996. Synthetic. AAW02313; RESULT 1 AAW02313

```
95US-0009386P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-AUG-1997;
                                                       Nordstedt C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-AUG-1998;
  29-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9910374-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW29090;
                                                                                                                                                                                                                                                                                                                                                                                 Eield.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW29090
    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                              ANMO2JIO-W02332 represent the peptide portions of the beta-amyloid modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of amyloid plaques are present both in the brain lesions, and in plaques. Amyloid plaques are present both in the brain lesions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The amyloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a hotin containing group, or a fluorescein containing group. These compounds then modulate the aggragation of these sequences to natural amyloid proteins or peptides when contacted with the natural amyloid proteins or peptides when contacted with the natural amyloid proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with amyloidosis, such as familial amyloid cardiac amyloidosis, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, familial amyloid scrapie, combuted cardiac amyloidosis, systemic senile amyloidosis, scrapie, chabetes, insulinoma, familial Mediterranean fever, familial amyloid compathy with urticaria and deaffness, hereditary cerebral hamorrhage and other types of amyloidosis. The modulators are also useful for the stream of disorders associated with beta-amyloidosis, specially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation; positron emission tomography; PET; Down's syndrome; amyloidosis.
                                                       in H, Garnick MB, Gefter ML, Hundal A;
Signer ER, Wakefield J, Reed MJ, Molineaux S;
Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                      Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 2; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                          Page 91; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW45944 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amyloid beta peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96WO-SE001621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95SE-00004467
        95US-00548998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (revised)
(first entry)
                                   (PHAR-) PHARM PEPTIDES INC
                                                            Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
                                                                                                               WPI; 1996-433762/43.
                                                                      Kasman L, Musso G,
Kubasek W, Chin J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OKLVPF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence/6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO9721728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-JUN-1997.
         27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003
30-JUN-1998
                                                              Findeis MA,
                                                                                                                                                                                                Claim 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW45944;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

```
This sequence represents a fragment of the amyloid beta peptide. The invention relates to the use of peptide compounds for inhibition of olymerisation of amyloid beta peptide (ABP), as model substances for polymerisation of amyloid beta peptide (ABP), as model substances for synthesis of ABP-ligands for inhibition of polymerisation of ABP, as a cool for the identification of other organic compounds with similar twool functional properties, or as ligands in positron emission tomography. The peptides may be used in treatment of amyloidosis, especially in treatment or of flatheimer's disease associated with amyloidosis, for treatment or prevention of demens in patients with Down's syndrome, for treatment or prevention of hereditary cerebral haemorrhage with amyloidosis (Dutch CT type) or for the prevention of fibril formation of human amyloid protein. They can also be used for identifying other molecules with similar properties and/or as ligands for detection of amyloid deposits using e.g. positron emission tomography. (Updated on 25-MAR-2003 to correct PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cyclosporin; A-beta peptide; conjugate; neurological disease; Alzheimer; multiple sclerosis; amyotrophic lateral sclerosis; ALS; non-immunosuppressive; amyloid plaque formation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "The C-terminal is condensed onto the side chain of Lys(7) of the cyclosporin analog described in AAW29087, AAW29088, AAW29095 and AAW29097"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                               Use of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                         Terenius
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A-beta-binding peptide fragment conjugated to cyclosporin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                     Tjernberg LO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 30; DB 2; I
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                 Thyberg J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (WISC ) WISCONSIN ALUMNI RES FOUND.
(KARO-) KAROLINSKA INNOVATIONS AB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW29090 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                     Example 1; #ig 2B; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98WO-US017544.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-JUL-1999 (first entry)
                                                                                 Naeslund J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                      WPI; 1997-332723/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
```

```
New conjugates are disclosed which are of formula A-2, in which: A is (1) a cyclosporin A analogue described in AAW29087 or (2) an FK506 binding peptide inhibitor; and Z is a polypeptide comprising 5 or more contiguous residues of A-beta peptide. The compounds are novel chemical inducers of dimerization which are non-immunosuppressive and which are inhibitors of A-beta peptide aggregation and deposition in amyloid plaques. The adverse consequences of amyloid plaque formation can be prevented or ameliorated by sequestering the A-beta peptide in monomeric form with a conjugate which links the A-beta peptide in monomeric form with a conjugate mechanism to minimize the mount of free A-beta available for fibril formation and deposition. The compounds can be used for the treatment of Alzheimer, A-disease, multiple sclerosis and amyotrophic lateral sclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bay
                                                                                                                         A-b-binding peptide conjugates and CsA analogs - useful in treatment deuro pojical diseases e.g. Alzheimer's disease, Multiple Sclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gefter ML, Kasman L, Musso G, Molineaux S, Benjamin H;
Chin J, Lee J, Kelley M, Reed M, Wakefield J;
Kubasek W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 2; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beta-amyloid peptide derivative A-beta-15-20.
                                                                                                                                                                                                                                                   age 98; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW89377 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96US-00612785.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
Solomon ME;
                                                           WPI; 1999-276928/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                φ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29 DEC 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              U$5854204 JA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW89377;
Rich DH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                   Claim 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                             Nex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW8937
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 THE STANTANT OF ST
```

New peptide(s) derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.

WPI; 1999-094964/08.

Findeis MA, Garnick MB,

Hundal A,

ö

```
The present invention describes beta-amyloid peptide (bAP) derivatives. The bap derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bap, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid polymeuropathy or cardiomynopathy, bovine spongifican encephalopathy and Creutzfeldt-Jakob disease. The bap derivatives are also used to diagnose these diseases, in vitro or in vivo, by detecting binding of bap to labelled bap derivatives. Some bap derivatives inhibit bap aggregation a bap derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder;
                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                             ..
0
                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                           100.0%; Score 30; DB 2; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
               Example 12; Col 64; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB48496 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 7; Page 26; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antifibrillogenic peptide #23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-MAY-2000; 2000WO-CA000515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F,
                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Alzheimer's disease.
                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                              ø
                                                                                                                                                                                                                                                                                                                                            1 QKLVFF
                                                                                                                                                                                                                                                                                                                                                                           QKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                             Sequence 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB48496;
                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 5
                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB48496
8
                                                                                                                                                                                                                                                                                                                                                                           셤
```

us-10-009-122-24.rag

```
Matches
                                                                                                                                                                                                                                                                                                                              ABB05156
                                                                                                                                                                                                                                                                                                                                                                   ଚ
                                                                                                                                                                                                                                                                        g
                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment coupled to a modifying group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or amyloidose. The modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt Jakob disease, adult onset diabetes, Geretmann-Straussler-Scheinker syndrome, insulinoma, isolated arrial amyloidosis, idiopathic (primary) amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinaemia-associated amyloidosis, primary localised cutaneous nodular amyloidosis associated with Sjogren's syndrome, reactive (secondary), amyloidosis, familial Mediterranean Rever and familial
                                                                                                                                                                                                                                                                                     Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid polymeuropathy; familial amyloid cardiomyopathy; isolated cardiac amyloid; systemic senile amyloidosis; scrapie; myeloma; bovine spongiform encephalopathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogran's syndrome; hereditary cerebral haemorrhage with amyloidosis; Muckle-Wells syndrome; hereditary non-neuropathic systemic amyloidosis;
                                                                Gaps
                                                                ;
0
                                     100.0%; Score 30; DB 4; Length 6; 1100.0%; Pred. No. 1.8e+06;
                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ", Benjamin H, Garnick MB, Gefter ML, Hund
Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                 Long form beta-amyloid protein fragment #5.
                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 12; Page 35; 41pp; English.
                                                                                                                                                                                     ABG71008 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                         familial Mediterranean Fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                        (first entry)
                           Query Match
Best Local Similarity 10v...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-697709/75.
                                                                                                           ||||||
OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2002098173-A1.
                                                                                             1 OKLVFF
             Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-OCT-1995;
14-MAR-1996;
                                                                                                                                                                                                                                        05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-JUL-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kasman L,
                                                                                                                                                                                                              ABG71008;
                                                                                                                                                             RESULT 6
                                                                                                                                                                                                8
```

```
The present invention describes an amyloid modulator compound (1) comprising an aggregation core domain and a modifying group attrached to it. (1) has noctropic, neuroprotective, immunosuppressive, antimicrobial, antidiabetic, antipyretic, dermatological, cardiovascular, nephrotropic and auditory activities, and can be used as a natural amyloid aggregation
amyloid nephropathy with urticaria and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemofallysis, hereditary nonneuropathic systemic amyloidosis (familial amyloid polymeuropathy III), familial amyloidosis of Finnish type, amyloidosis associated with medullary carcinoma of the thyroid, fibrinosen-associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The compound is capable of altering and inhibiting beta-amyloid protein (beta-AP) aggregation of natural amyloidosmic proteins or peptides when contacted with a molar excess amount of natural beta-APs relative to the modulator. This sequence represents a fragment of the long form of beta-amyloid used in the creation of an amyloid modulator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobial; auditory; amtidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polyneuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 5; Length 6; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             n H, Garnick MB, Gefter ML, Hund.
Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta amyloid peptide (15-20) SEQ ID NO:8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 11; Col 63; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABB05156 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kasman L, Musso G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US6319498-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABB05156;
```

```
ő
inhibitor and a neurotoxicity inhibitor of natural beta amyloid peptide (beta-AP). (I) are used in the manufacture of a medicament for the diagnosis or treatment of an amyloidogenic disease e.g. Alzhahmer's disease and other clinical occurrences of beta amyloid deposition such as Down's syndrome individuals and in patients with hereditary cerebral amyloidosis, and for treating a disorder associated with toxicity of natural beta-AP aggregates to cultured neuronal cells. (I) about only reduces the formation of neurotoxicity of neuronal cells. (I) ability to reduce the neurotoxicity of performed A-beta fibrils. The present sequence represents a beta-AP peptide, which is used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating diseases states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (ANUIS48-ANUIS910 & AAUIS910 that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide #24, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                             Length 6;
                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                           100.0%; Score 30; DB 5; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU11911 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                    1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200185093-A2
                                                                                                                                                                                                                                          Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU11911:
                                                                                                                                                                                                                                                                                            Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU11911
   셤
                                                                                                                                                                                                                                                                                                                                                    ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder associated with amyloidosis, particularly familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, gerapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Geratman-Straussler-Scheinker syndrome, adult onset diabetes, insulinoma, isolated atrial amyloidosis, idiopathic (primary)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hereditary cerebral haemorrhage; haemodialysis; thyroid;
renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis;
beta-amyloid peptide; human.
                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for treating
                                                                                                                                                                                                                                                                                                                                                                                   Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spongiform encephalopathy; creutzfeldt-Jakob disease; derstmann-Straussler-Scheinker syndrome; diabetes; insulinoma; myeloma; Sjogren's syndrome; familial mediterranean fever; urticaria; deafness;
was used in the invention to treat a disease state characterised by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New amyloidogenic protein aggregation modulators useful for treating
disorder associated with amyloidosis e.g. familial amyloid
polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 H, Garnick MB, Gefter ML, Hundal A;
Signer ER, Wakefield J, Reed MJ;
                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                     Human beta-amyloid long form peptide fragment #5.
                                                                            100.0%; Score 30; DB 5; ]
100.0%; Pred. No. 1.8e+06;
                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "N-terminal cholyl"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 12; SEQ ID NO 8; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                        ADJ64059 standard; peptide; 6 AA.
                cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-JUN-2003; 2003US-00463729.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96US-00617267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PRAE-) PRAECIS PHARM INC.
                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Musso G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-131767/13
                                                                              Query Match
Best Local Similarity
                                                                                                                                           9
                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004005307-A1
                                              Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                       06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kasman L,
                                                                                                                                                                                                                                                                                       ADJ64059;
                                                                                                          Matches
                                                                                                                                                                                                                        RESULT 9
ADJ64059
                                                                                                                                                                                                                                                        SXSS
                                                                                                                                           ò
                                                                                                                                                                        셤
```

```
amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary localized cutaneous nodular amyloidosis associated with Sjogran's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urticaria and deafness (Mucklewells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemodialysis, hereditary non-neuropathic systemic amyloidosis (familial amyloid sesociated with midulary carcinoma of the thyroid, fibrinogen associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The present sequence is beta-amyloid peptide fragment used amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; cerebroprotective; haemostatic; ophthalmological;
antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulaant; antidepressant; endocrine; hypontic;
cardiant; antidepressant; endocrine; hypontic;
amyloid-beta fibril formation modulator; immune system modulator;
mild-to-moderate cognitive impairment;
mild-to-moderate cognitive impairment;
mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 30; DB 8; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                        in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 95; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AD037380 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 QKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ37380;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ37380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8 \times 9 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
```

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that conditions against amyloid-beta ibril formation; or (ii) an immune system modulators that prevents or inhibits amyloid-beta cortroprotective, carebroprotective (adiovascular, tranquilliser, ortophalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, ortophalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, ortophalmological, antithyroid, vasotropic, cardiovascular, mucrophic, antithyroid, antidopersesant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for service or and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for service or and can be used as amyloid-beta fibril formation modulators, and as inflated disease or anyloid-beta fibril formation for creeking or treating an anyloid-beta fibril formation modulators, and as inflated disease or anyloid-beta fibril formation or a condition associated with Alzheimer's disease (including hypothyroidism, carebroascular disease, cardiovascular descention, or a condition associated with Alzheimer's disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, parkinson's disease, amenory loss, anxiety, a behavioural dysfunction (e.g. muthing deficits, incoordination, gardical condition), and anyloid-beta alternal alternal solution, the condition of a depression, during anyloid-beta, apravioural disturbance, transient incoordination, gardion, depressed mood, irritiability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in anyloid-beta deposite. The present separation and present invario
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
amyloid-beta fibril formation; immune response; nootropic;
antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulaant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid anglopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 30; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADQ37335 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ37335;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ37335
                 엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
```

ô

Gaps

ö

Indels

ö

Mismatches

ö

6; Conservative

Matches

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a gecond agent (a2) that is: (ii) a peptide or peptidomimetic that agency agency (iii) a peptide or peptidomimetic that conditions amyloid-beta fibril formation, or controlly amyloid-beta fibril formation, or controlly controlly or infinite amyloid-beta fibril formation, or controlly controlly or cardiant amyloid-beta fibril formation, or controlly controlly controlly of escribed is a kit comprising (C). (C) have notropic, neuroprotective, carebroprotective, haemostatic, controlly anticonvulsant, antichportective, nationally muscular tranquilliser, uncopathic, antichportective, nationally muscular tranquilliser, uncopathic, antichportective, nationally controlly controlly cardiant, antichportective, nationally modulators. (C) can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an immune system modulators. (C) can be used for formation modulators, and as immune system modulators. (C) can be used for formation for treating an immune system modulators. (C) can be used for formation associated wild cognitive impairment, amyloid-beta related disease e.g. Altaheimer's disease (including hypothyroidism, cerebral haemorrhage, senile dementia, on one of a modition associated with Altaheimer's disease. (C) continuing hypothyroidism, creebral haemorrhage, entile dementia, one of systems in modulators and including hypothyroidism, creebral haemorrhage, senile dementia, or a condition associated with Altaheimer's disease, dementia, anticty, a behavioural dysfunction (e.g. huntington's disease, amyotrophic lareral solerois, acquired immunodeficiency, astrophyrophyroidism, creebral and anticipated immunodeficiency, for a profession, or incontinence), an neurological condition de.g. depression, or a poptidion, extand disorder, weight loss, paychosis, a sleep disturbance, insomale, behavioural disorder, w
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 70; 143pp; English.
                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                 /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-543342/52.
                                                  vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                         WO2004058239-A1
                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004
                                                                                                                                      Synthetic
```

```
Length 6;
                           Score 30; DB B; I
Pred. No. 1.8e+06;
                         100.0%;
100.0%;
Sequence 6 AA;
                           Query Match
```

Best Local Similarity

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidominetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta fibril formation; or fibril formation. Also described is a kit comprising (C). (C) have nootropic, neuroprotective, cerebroprotective, haemostatic, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, neuropeptic, cardiant, antidepressant, endocrine and hypnotic activities, and can, be used as amyloid-beta fibril formation modulators and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta fibril formation aliease eventing contraditary) or familial (hereditary), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                           amyloid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HV, antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; mild-to-moderate cognitive impairment; vascular dementia; cerebral amyloid amglopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age-related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 87; 143pp; English.
                                                                                                                                           ADQ37352 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                     Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                             07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-543342/52.
9
OKLVFF
                                         OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                    ADQ37352;
  Н
                                                                                                    RESULT 12
                                                                                                                                                                                      ઠ
                                    셤
```

Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.

Disclosure; Page 95; 143pp; English.

24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.

(NEUR-) NEUROCHEM INT LID.

Bellini F;

Gervais F,

NPI; 2004-543342/52

```
Down's syndrome, inclusion body myositis, age-related macular degeneration, or a condition associated with Alzheimer's disease (Including hypothyroidsm, cerebrovascular disease, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apachy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. apachy, caggression, or incontinence), a neurological condition (e.g. Huntington's disease, amyotrophic lateral sclerosis, acquired immunodeficiency, Parkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual field deficits, incoordination, gait disturbance, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural camage), or a psychological condition (e.g. depression, delusions, a sleep disturbance, insommia, behavioural discribition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in anyold precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposits. The present sequence represents a betamyloid modulator peptide which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amploid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; neuroprotective; cardiovascular; tranquilliser; uropathic; antichrouls anticorrouls; tranquilliser; uropathic; anticorroulsant; antidepressant; endocrine; hypnotic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; amyloid-beta fibril formation modulator; immune system modulator; allateimer; disease; mild cognitive impairment; vascular dementia; cerebral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age-related macular disease; naflowscular disease; memory loss; anxiety; behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 30; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'note= "acetylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ37370 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 QKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADQ37370;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADQ37370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
```

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that conditions amyloid-beta fibril formation, or therapeutic immune response against amyloid-beta inhibite amyloid-beta fibril formation. Also described is a kit comprising (C): (C) have nootropic, meuroprotective, cerebroporective, naemostatic, orbital antidopersessant, endocrime and hypnotic activities, orbital modification, antidopersessant, endocrime and hypnotic activities, neuroloptic, cardiant, antidopersessant, endocrime and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and a myloid-beta related disease e.g. Alzabamer's disease (including sporadic of momereditary) or familial (hereditary), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral mayloid-beta inclusion body myositis, age-related mecular dementia, now including hypothyroidism, cerebroascular disease, amyloid-beta, inclusion body myositis, age-related mecular disease, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, compairment, or a condition associated with Alzabamer's disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, asyloid angiopathy, larred muscle croep, selarors, selarors, selarors, sensory loss, anxiety, a percenting disease, amylorophic lateral sclerosis, acquired immunodeficiency, apathy, apathy asyloid deficits, incoordination, garxia, agnosia, pick disease, amylorophic lateral sclerosis, acquired immunodeficitus, cerebra disease, apathy and apathy apathy approach or autroleptic sensitivity, normal pressure hydrocephalus, subdural disease, anylorope, neuroleptic sensitivity, normal pressure pydrocephalus, or stranding anyloid precursor protein gene, and how and deficit, frequent def
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 30; DB 8; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAR45231 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-JUN-1994 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
Matches 6; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAR45231;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAR45231
ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     UXXXXXX
```

```
WPI; 1996-433762/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7 AA;
                                                                                                              07-JUN-1995;
27-OCT-1995;
                                                                                           14-MAR-1995;
      19-SEP-1996.
                                                                                                                                                                                                                            Findeis MA,
                                                                                                                                                                                                                                                 Kasman L,
Kubasek W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW02311;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW02311
      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      &&&&&&&&&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Recombinant polypeptides produced using the coding sequences of mutant forms of amyloid precursor proteins comprising from the 5' to the 3' end a sequence encoding a marker and either (1) a sequence encoding the Neterminus of an amyloid precursor protein (APP) up to, but not including, the nucleotides encoding the beta amyloid protein (BAP) domain or (2) the BAP domain, or the two ligated together, can be used to detect drugs or compounds that inhibit/augment the activity of proteolytic enzymes which patients with Alzheimers disease and Down's syndrome). This fragment corresponding to amino acid residues 14-20 of BAP can be altered and affect the level of secretion of APP's containing the BAP sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New mutant forms of amyloid precursor protein - for detecting opds. that modify activity of enzymes involved in precursor cleavage, also new
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiac amyloidosis; systemic senile amyloidosis; insulinoma; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage.
                                           Amyloid precursor protein; APP; beta amyloid protein; BAP; detection; Alzheimer's disease; Down's syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity 100.0%; Score 30; DB 2; Length 7; Similarity 100.0%; Pred. No. 1.8e+06; 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 34; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beta-amyloid modulator peptide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW02312 standard; peptide; 7 AA.
Beta amyloid protein fragment.
                                                                                                                                                                                                                                                                                                                                    (AMCY ) AMERICAN CYANAMID CO
                                                                                                                                                                                                                                               93AU-00038358
                                                                                                                                                                                                                                                                                          92US-00877675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid encoding them.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                               Vitek MP, Jacobsen JS;
                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1993-406194/51.
N-PSDB; AAQ54259.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 QKLVPF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
                                                                                                              Homo sapiens
                                                                                                                                                                                                                                               03-MAY-1993;
                                                                                                                                                                                                                                                                                          01-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9628471-A1
                                                                                                                                                       AU9338358-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           02-MAY-1997
                                                                                                                                                                                                   04-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW02312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW02312
  SO X C C C C C C C C X S X L L L L X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d
```

ò

```
ANW02310-W02332 represent the peptide portions of the beta-amyloid modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of anyloid plaques are present both in the brain leaions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The amyloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a heterocyclic, or polycyclic group, such as declain, a cholanyl group, a betain containing group. These compounds then modulate the aggregation of these sequences to natural amyloid proteins or peptides. The modulator compounds can be used in the trearment of disorders associated with the natural amyloidogenic proteins or peptides. The modulator compounds can be used in the trearment of disorders associated with amyloidosis, such as can be used in the trearment of disorders associated with amyloidosis, scrapie, solated cardiac amyloidosis, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, familial amyloid cardiomyopathy, creutzfeldt-Jakob disease, adult-onset diabetes, insulinoma, familial Mediterranean fever, familial amyloid compournance and other types of amyloidosis. The modulators are also useful for the trearment of disorders associated with beta-amyloidosis, especially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid cardiomyopathy; familial amyloid cardiomyopathy; isolated cardiomyopathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage.
                                                                                                                                                                                                                                                                                                                                                                                    k MB, Gefter ML, Hundal A;
Wakefield J, Reed MJ, Molineaux S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 30; DB 2; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                      Musso G, Signer ER, Wakef
Chin J, Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                                                                                                         Benjamin H, Garnick MB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta-amyloid modulator peptide #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 16; Page 91; 106pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW02311 standard; peptide; 7 AA.
96WO-US003492
                                                                                               95US-00404831,
                                                                                                                                       95US-00475579
95US-00548998
                                                                                                                                                                                                                                                                                         (PHAR-) PHARM PEPTIDES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-MAY-1997 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
```

```
positron emission tomography; PET; Down's syndrome; amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
Synthetic.
                                                                                                         19-DEC-1996;
                                                                                                                                  12-DEC-1995;
                              Homo sapiens
                                                        WO9721728-A1
                                                                                                                                                29-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US5854204-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-DEC-1998.
                                                                                 19-JUN-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW89376;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW89376
    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   modulator compounds of the invention. Beta-amyloid peptide is a 4

Kilodatron peptide that is the major protein component of amyloid

plaques. Amyloid plaques are present both in the brain lesions, and in

the walls of cerebral blood vessels in Alzheimer's disease patients. The

camyloid modulators of the invention comprise an amyloid ogenic protein or

peptide (such as this sequence) coupled directly or indirectly to at

least one modifying group. The modifying group is preferably a cyclic,

heterocyclic, or polycyclic group, such as declain, a cholanyl group, a

bothin containing group, or a fluorescein containing group. These

compounds then modulate the aggregation of these sequences to natural

amyloid proteins or peptides when conteacted with the natural

amyloid proteins or peptides. The modulator compounds can be used

in the treatment of disorders associated with the natural

camyloid proteins or peptides. The modulator compounds can be used

in the treatment of disorders associated with amyloidosis, such as

familial amyloid polymeuropathy, familial amyloid cardiomyopathy,

closlated cardiac amyloidosis, systemic senile amyloidosis, scrapie,

bovine spongiform encephalopathy, creutzfeldt-Jakob disease, adult-onset

diabetes, insulinoma, familial Mediterranean fever, familial amyloid

chabetes, insulinoma, familial Mediterranean fever, familial amyloid

and other types of amyloidosis, pheneditary cerebral haemorrhage

and other types of disorders associated with beta-amyloidosis, especially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                 Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hundal A;
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ, Molineaux S;
Kubasek W, Chin J, Lee J, Kelley M;
                                                                                                                                                                                                                                                                                Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 30; DB 2; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                     Claim 16; Page 90; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW45940 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amyloid beta peptide fragment.
                                                                                                                         95US-00404831.
95US-00475579.
                                                                                                 96WO-US003492
                                                                                                                                                    95US-00548998
                                                                                                                                                                             (PHAR-) PHARM PEPTIDES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Bernam 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (revised)
                                                                                                                                                                                                                                                        WPI; 1996-433762/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ||||||
2 OKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7 AA;
                                                                                                                         14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                             WO9628471-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-MAR-2003
30-JUN-1998
                                                                                                14-MAR-1996;
                                                                       19-SEP-1996
                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW45940;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW45940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZXZXHHXBXX
ZXBXHHXBXX
        ò
```

```
This sequence represents a fragment of the amyloid beta peptide. The invention relates to the use of peptide compounds for inhibition of polymerisation of amyloid beta peptide (ABP), as model substances for synthesis of ABP-lagands for inhibition of polymerisation of ABP, as a tool for the identification of other organic compounds with similar functional properties, or as ligands in positron emission tomography. The peptides may be used in treatment of amyloidosis, specially in treatment of Alzheimer's disease associated with amyloidosis, for treatment or prevention of demens in patients with Down's syndrome, for treatment or prevention of hereditary cerebral haemorrhage with amyloidosis (Dutch They can also be used for identifying other molecules with similar properties and/or as ligands for detection of amyloid deposits using e.g. for all and the amyloid deposits using e.g. for the prevention to mography. (Updated on 25-MAR-2003 to correct PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bAP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                   of
or
                                                                                                                                                                                                                                                                                                                                                                               Use of new and known peptide(s) for inhibition of polymerisation amyloid beta peptide - e.g. for treatment of Alzheimer's disease Down's syndrome associated with amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .,
                                                                                                                                                                                                                                                Terenius
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                            Nordstedt C, Naeslund J, Thyberg J, Tjernberg LO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 30; DB 2; L 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta-amyloid peptide derivative A-beta-15-21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                        (KARO-) KAROLINSKA INNOVATIONS AB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW89376 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; Fig 2B; 31pp; English.
96WO-SE001621.
                                                                   95SE-00004467
95US-0009386P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                       WPI; 1997-332723/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ||||||
2 QKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 OKLVFF 6
```

```
14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                              ABG71006;
                                                                                                                                                                                                                                                                                                                                                                                    RESULT 20
  ઠ
                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                    The present invention describes beta-amyloid peptide (bAP) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, pecifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and creutzfeldt-Jakob disease. The bAP derivatives are also used to diagnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives. Some bAP derivatives inhibit bAP aggregation even when bAP is present in molar excess. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bby
                                                                                                                                                          amyloid
                                                                                           Musso G, Molineaux S, Benjamin H;
                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                        New peptide(s) derived from beta-amyloid peptide that inhibit am aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                      Reed M, Wakefield J;
                                                                                                                                                                                                                                                                                                                                                                       Similarity 100.0%; Score 30; DB 2; Length 7; Similarity 100.0%; Pred. No. 1.8e+06; 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beta-amyloid peptide derivative A-beta-14-20.
                                                                                          Hundal A, Gefter ML, Kasman L, Musso (
Findeis MA, Chin J, Lee J, Kelley M,
Garnick MB, Kubasek W, Signer ER;
                                                                                                                                                                                                  Example 12; Col 64; 52pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW89375 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-00404831.
95US-00475579.
95US-00548998.
                             95US-00404831.
95US-00475579.
95US-00548998.
           96US-00612785.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96US-00612785
                                                                       (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (PRAE-) PRAECIS PHARM INC.
                                                                                                                                     WPI; 1999-094964/08
                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                  1 QKLVFF 6
                                                                                                                                                                                                                                                                                                                                 DAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                     1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                     Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                       07-JUN-1995;
27-OCT-1995;
        14-MAR-1996;
                             14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JS5854204-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW89375;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW89375
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes beta-amyloid peptide (bAP) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid colyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. The bAP derivatives are also used to diagnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives inhibit bAP aggregation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          even when bAP is present in molar excess. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid cardiomyopathy; familial amyloid cardiomyopathy; isolated cardiac amyloid, systemic senile amyloidosis; scrapie; myeloma; bovine spongiform encephalopathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary cerebral haemorrhage with amyloidosis; Muckle-Wells syndrome;
                                                                                                                                                                                                        New peptide(s) derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
Kasman L, Musso G, Molineaux S, Benjamin H;
iee J, Kelley M, Reed M, Wakefield J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 30; DB 2; Length 7; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        non-neuropathic systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Long form beta-amyloid protein fragment #3.
                                Lee J, Kelley
W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                   Example 12; Col 64; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABG71006 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-OCT-2001; 2001US-00972475.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96US-00617267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hereditary non-neuropathic s
familial Mediterranean Fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-DEC-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity luv...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (PRAE-) PRAECIS PHARM INC
Hundal A, Gefter ML, Ka
Findeis MA, Chin J, Lee
Garnick MB, Kubasek W,
                                                                                                                                      WPI; 1999-094964/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a bAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2002098173-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7 AA;
```

Hundal A;

n H, Garnick MB, Gefter ML, Hund: Signer ER, Wakefield J, Reed MJ;

Benjamin H, Garnick MB,

Musso G,

Findeis MA,

Kasman L,

WPI; 2002-697709/75.

(PRAE-) PRAECIS PHARM INC.

14-MAR-1996;

27-0CT-1995

14-MAR-1995; 07-JUN-1995;

95US-00404831. 95US-00475579. 95US-00548998. 96US-00617267.

04-OCT-2001; 2001US-00972475.

25-JUL-2002

```
The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or peptides. The modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid cardiomyopathy (Danish type), and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid septemic senile amyloidosis, scrapie, bovine spongiform encephalopathy. Creuzfeldt-Jakob disease, adult onset diabetes, Gerstmann-Straussler-Scheinker syndrome, insulinoma, isolated atrial amyloidosis, idiopathic (primary) amyloidosis, modular amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinaemia-associated myloidosis, primary localised cutaneous nodular amyloidosis associated with Sjogren's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloidosis associated with long term haemofialysis, hereditary non-chercopathy with urticaria and dasfiness (Muckle-Wells syndrome), hereditary carebral haemorrhage with amyloidosis associated with 111), camyloidosis associated with long term haemofialysis, hereditary in the contropathy of the thyroid, fibrinogen-associated with compound is capable of altering and inhibiting betamyloidosis. The compound is capable of altering and inhibiting betamyloid protein (beta-AP) aggregation of natural amyloidosis capable or amyloid protein (beta-AP) aggregation of natural amyloid southlator. This sequence represents a fragment of the creatative to the modulator. This sequence represents a fragment of the torestice or peptides when contacted with a molar excess amount of natural beta-APs long form of beta-amyloid used in the creation of an amyloid modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                    Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; solated cardiac amyloid; ystemic senile amyloidosis; scraple; myeloma; bovine spongiform encephalopathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary cerebral haemorrhage with amyloidosis; Muckle-Wells syndrome; hereditary non-neuropathic systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 30; DB 5; Length 7;
Pred. No. 1.8e+06;
Mismatches 0; Indels
Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hund
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Long form beta-amyloid protein fragment #4.
                                                                                                                                                                                                                    Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABG71007 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Sc
100.0%; Pr
tive 0;
                                                                                                                                                                  coupled to a modifying group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 familial Mediterranean Fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                    WPI; 2002-697709/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OKLVEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2002098173-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABG71007;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 21
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
```

```
The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or compound modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid cardiomyopathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Portuguese, Japanese consolated cardiac amyloid, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, adult onset diabetes, Gerstmann-Straussler-Scheinker syndrome, insulinoma, isolated artial amyloidosis, insulinoma, isolated cardial amyloidosis, insulinoma, isolated cardial amyloidosis, primary localised cutaneous nodular amyloidosis, familial Mediterranean Fever and familial camyloidosis associated with Siggren's syndrome, reactive (secondary) amyloidosis, familial Mediterranean fever and familial camyloidosis associated with amyloidosis of Icelandic type, hereditary carcinoma of the thyroid, fibrinogen-associated hereditary creating and lysozyme-associated hereditary systemic amyloidosis (familial amyloidosis and lysozyme-associated hereditary systemic camyloidosis (familial amyloidosis and lysozyme-associated hereditary systemic camyloidosis. The compound is capable of altering and inhibiting beta-amyloidosis and lysozyme-associated hereditary systemic camyloidosis. The compound is capable of altering and inhibiting beta-amyloidosis when contacted with a molar excess amount of natural beta-APs crelative to the modulator. This sequence represents a fragment of the call or call amyloid protein (beta-AP) aggregation of natural amyloidosis and lysozyme-associated hereditary systemic call amyloidosis (amyloidosis associated beta-APs and a modulator reseasement of natural beta-APs call amyloidosis associated beta-APs and a modulator of natural amyloidosis and lysozyme-associated beta-amyloid brotein the codulator rhis sequence represents a fragment of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                           Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment coupled to a modifying group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobial; auditory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 30; DB 5; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beta amyloid peptide (14-20) SEQ ID NO:6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB05154 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB05154;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           datches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB05154
à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
```

```
ADA90153 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                 Signer ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                    95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                             96US-00617267.
                                                                                                                                                                                                                                         (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                   Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                               Kasman L, Musso G,
                                                                                                                                                                                                                                                                                                         WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
                                                                  sapiens
                                                                                                        US6319498-B1
                                                                                                                                                             14-MAR-1996;
                                                                                                                                                                                      14-MAR-1995;
                                                                                                                                                                                                   07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-NOV-2003
                                                                                                                                   20-NOV-2001.
                                                                                                                                                                                                                                                                   Findeis MA,
                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA90153;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                   Ношо
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA9015
  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EXXXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                        The present interaction describes an emytation comportant of the present interaction described an aggregation corre domain and a modifying group attached to it. (I) has nootropic, neuroprotective, immunosuppressive, antimicrobial, antidiabetic, antipyretic, dermatological, cardiovascular, nephrotropic and auditory activities, and can be used as natural amyloid aggregation inhibitor and a neurotoxicity inhibitor of natural beta amyloid peptide (beta-APD). (I) are used in the manufacture of a medicament for the diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's disease and other clinical occurrences of beta amyloid deposition such as Cown's syndrome individuals and in patients with hereditary cerebral haemorrhage with amyloidosis, and for treating a disorder associated with amyloidosis, and for treating a disorder associated with anyloidosis, and for treating a disorder associated with conjoint such as familial amyloid polymeuropathy. (I) reduces the constituted neuronal cells. (I) on the condition of neurotoxic aggregates to cultured neuronal cells. (I) ability to reduce the neurotoxicity of performed A-beta fibrils. The community is the present and the properties, which is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                 Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polymeuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobial; auditory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes an amyloid modulator compound (I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                    Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                 Garnick MB, Gefter ML, Hund
er ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 30; DB 5; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beta amyloid peptide (15-21) SEQ ID NO:7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                       Example 11; Col 63; 54pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB05155 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                               Kasman L, Musso G, Signer ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                   95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
larity 100.0%;
Conservative 0
                                                                                                                                                          96US-00617267
                                                                                                                                                                                                                                       (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                   Benjamin H,
                                                                                                                                                                                                                                                                                                        WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
                                                                  sapiens
                                                                                                        US6319498-B1
                                                                                                                                                          14-MAR-1996;
                                                                                                                                                                                      14-MAR-1995;
                                                                                                                                                                                                  07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-APR-2002
                                                                                                                                 20-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
                                                                                                                                                                                                                                                                 Findeis MA,
                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB05155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB05155
 셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             comprising an aggregation core domain and a modifying group attached to it. (I) has nootropic, neuroprotective, immunosuppressive, antimicrobial, antidiabetic, antipyretic, dermatological, cardiovascular, nephrotropic and auditory activities, and can be used as a natural amyloid aggregation inhibitor and a neurotoxicity inhibitor of natural beta amyloid peptide (beta-Ap). (I) are used in the manufacture of a medicament for the diagnosis or treatment of an amyloidogenic disease e.g. Alzhaimer's disease and other clinical occurrences of beta amyloid deposition such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Down's syndrome individuals and in part of the predicary cerebral haemorrhage with amyloidosis, and for treating a disorder associated with haemorrhage with amyloidosis, and for treating a disorder associated with amyloidosis such as familial amyloid polyneuropathy. (I) reduces the toxicity of natural beta-AP aggregates to cultured neuronal cells. (I) not only reduces the formation of neurotoxic aggregates but also have the present sequence represents a beta-AP peptide, which is used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polymeuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antibody molecule; antibody; beta-A4 peptide; Abeta4; neuroprotective; nootropic; antiparkinsonian; gene therapy; amyloidogenesis; amyloid-plaque formation; beta-amyloid plaque; immunisation; dementia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    present invention describes an amyloid modulator compound (I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Anti-Abeta antibody related amino acid sequence SEQ ID NO:268.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Garnick MB, Gefter ML, Hund
er ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 30; DB 5; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Col 19; 54pp; English.
```

ADA90936 standard; peptide; 7 AA.

(first entry)

20-NOV-2003

```
Alzheimer's disease; motor neuropathy; Down's syndrome; creutzfeldt Jacob disease; hereditary cerebral haemorrhage; amyloidosis; Parkinson's disease; HIV-related dementia; amyotrophic lateral sclerosis; neuronal disorder; aging.
                                                                                                                                                    New antibody molecule capable of specifically recognizing two regions of
the beta-A4 peptide, useful for diagnosing, preventing or treating
diseases associated with amyloidogenesis or amyloid-plaque formation
                                                                                                                      Kretzschmar T;
                                                                                                                       Huber W,
Rothe C;
                                                                                                                       Brockhaus M,
Nordstedt C,
                                                                                                                                                                                     Disclosure; Page 260; 312pp; English.
                                                                                                     HOFF ) HOFFMANN LA ROCHE & CO AG
                                                                                        20-FEB-2002; 2002EP-00003844.
                                                                            20-FEB-2003; 2003WO-EP001759.
                                                                                                                       Bohrmann B,
Loetscher H,
                                                                                                           MORP-) MORPHOSYS AG
                                                                                                                                          WPI; 2003-663848/62.
                                                   WO2003070760-A2.
                                                                                                                                                                          (e.g. dementia)
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
                                       Homo sapiens.
                                                                                                                       Bardroff M,
Loehning C,
                                                               28-AUG-2003.
                                 Synthetic
```

```
ô
                           Gaps
                            ..
0
Length 7;
                         Indels
100.0%; Score 30; DB 6; L. 100.0%; Pred. No. 1.8e+06; tive 0; Mismatches 0;
                            Conservative
            Best Local Similarity
Matches 6; Conserv
```

ø OKLVFF 6

ð

Query Match

```
The present invention describes an antibody molecule (1) capable of specifically recognising two regions of the beta-A4 peptide/Abeta4. The first region comprises the amino acid sequence Ala-Glu-Phe-Arg-His-Asp-Set-Gly-Tyr ADA89886 or its fragment, and the second region comprises the amino acid sequence val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-CG Aly ADA89888 or its fragment, and the second region comprises the candino acid sequence val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-CG amino acid sequence val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-CC antion of the vector of (2); (4) preparing (1), comprising (1); (2) a vector comprising the nucleic acid of (1); (3) a host ccl conturing the host cell of (3) under conditions that allow synthesis of culturing the host cell of (3) under conditions that allow synthesis of corrected of (1); vector of (2); (4) preparing (1); (5) a kit comprising (1) or an antibody molecule produced by method (4); (6) a kit comprising (1); (7) and recovering (1) from the culture; (5) a composition comprising (1); (8) testing the resulting Fab optimised clones; (10) expressing (1); (8) testing the resulting Fab optimised clones; (10) expressing (1); (8) testing the resulting potimisation of (1); (1) has paramed antibody/antibody molecule with a carrier; and (12) a pharmaceutical composition preparing a pharmaceutical composition for the prevention and/or treatment of a disease associated with anyloidogenesis and/or amyloid-plaque formation. The antibody molecule confusion for the disease mentioned above. The antibody is used for the disease mentioned above. The antibody is used for the disease mentioned above. The antibody is used for the disease mentioned above. The antibody is used for the disease mentioned above and antipation of passive immunisation against beta-amyloid plaques or for passive immunisation and anipatus formation. In particular, the disease is
                                                                                                                                                                        antibody molecule; antibody; beta-A4 peptide; Abeta4; neuroprotective; nootropic; antiparkinsonian; gene therapy; amyloidogenesis; amyloid-plaque formation; beta-amyloid plaque; immunisation; dementia; Alzheimer: g disease; motor neuropathy; Down's syndrome; Creutzfeldt Jacob disease; hereditary cerebral haemorrhage; amyloidosis; Parkinson's disease; HIV-related dementia; amyotrophic lateral sclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antibody molecule capable of specifically recognizing two regions of
the beta-A4 peptide, useful for diagnosing, preventing or treating
diseases associated with amyloidogenesis or amyloid-plaque formation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kretzschmar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Huber W,
Rothe C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Brockhaus M,
Nordstedt C,
                                                                                                                                   Solid-phase synthesis heptapeptide #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HOFF ) HOFFMANN LA ROCHE & CO AG F. (MORP-) MORPHOSYS AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 12; Page 82; 312pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-FEB-2002; 2002EP-00003844.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-FEB-2003; 2003WO-EP001759.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bohrmann B,
Loetscher H,
                                                                                                                                                                                                                                                                                                                        neuronal disorder; aging.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-663848/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003070760-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (e.g. dementia)
                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bardroff M,
Loehning C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                      Synthetic
```

```
continued with amyloidosis, particularly familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senials amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Gerstmann-Straussler-Scheinker syndrome, adult onset diabetes, insulinoma, isolated artial amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary coralized cutaneous nodular amyloidosis associated with Sjogren's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urticaria and deafness (Mucklewells syndrome), hereditary cerebral haemorrhage with amyloidosis of celandic type, amyloidosis associated with long term haemodialysis, hereditary non-neuropathic systemic amyloidosis (familial amyloid colosis associated with medullary carcinoma of the thyroid, fibrinogen associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The present sequence is beta-amyloid peptide fragment used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; fastlomyopathy; fastlomyopathy; grystemic senile amyloidosis; bovine spongiform encephalopathy; creutzfeldt-Jakob disease; derstmann-Strausslar-Scheinker syndrome; diabetes; insulinoma; myeloma; Sjogren's syndrome; familial mediterranean fever; urricaria; deafiness; hereditary cerebral haemorthage; haemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hundal A;
                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 30; DB 8; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ML, Hundé
Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human beta-amyloid long form peptide fragment #4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Garnick MB, Gefter
er ER, Wakefield J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADJ64058 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Signer ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95US-00404831.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-JUN-2003; 2003US-00463729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   beta-amyloid peptide; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1996; 96US-00617267
04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Musso G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-131767/13.
                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                       1 QKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2004005307-A1.
                                                                                                                                                                                                                                                                                                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Кавшап L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADJ64058;
                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 27
ADJ64058
                                                                                                                                                                                                                                                                                                                                                                                                     Matches
        8X3GGGGGGGGGGGGGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                           ö
dementia, Alzheimer's disease, motor neuropathy, Down's syndrome, Creutzfeldt Jacob disease, hereditary cerebral haemorrhage with amyloidosis Dutch type, Parkinson's disease, HIV-related dementia, amyotrophic lateral sclerosis or neuronal disorders related to aging. The present sequence is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 familial amyloid polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; diabetes; insulinoma; myeloma; Sjogren's syndrome; familial mediterranean fever; urticaria; deafness; hereitary cerebral haemorrhage; haemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis; beta-amyloid peptide; human.
                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'note= "Optionally N-terminal cholyl or N-acetyl
                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hundal A;
                                                                                                                                          Length 7;
                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "Optionally C-terminal amide"
                                                                                                                                      100.0%; Score 30; DB 6; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gefter ML,
                                                                                                                                                                                                                                                                                                                                                                                                                                Human beta-amyloid long form peptide fragment #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Signer ER, Wakefield J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloidogenic protein; therapy; amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 12; SEQ ID NO 6; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Benjamin H, Garnick MB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                           ADJ64057 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-JUN-2003, 2003US-00463729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nuraminyl"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PRAE-) PRAECIS PHARM INC
                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Musso G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-131767/13
                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                         1 OKLVFF
                                                                                                                                                                                                                                         1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004005307-A1
                                                                                                        Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                ADJ64057;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Кавшап L,
                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo
                                                                                                                                                                                                                                                                                           RESULT 26
   888888
                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                       유
```

Gapa

(NEUR-) NEUROCHEM INT LTD

Bellini F;

Gervais F,

WPI; 2004-543342/52.

```
ö
                                                                                                                    The invention relates to amyloidogenic proteins or peptide fragments asgregation modulators. The invention is used for treating disorder associated with amyloidosis, particularly familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid acadiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, gerapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Geratmann-Straussler-Scheinker syndrome, adult onset diabetes, insulinoma, isolated atrial amyloidosis, idiopathic (primary) localized cutaneous nodular amyloidosis, idiopathic (primary) localized cutaneous nodular amyloidosis, sasociated amyloidosis, primary localized cutaneous nodular amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urricaria and deafiness (Mucklement amyloidosis) amyloidosis, primary amyloidosis, manisalmess (Mucklement amyloidosis) amyloidosis, primary amyloidosis, primary amyloidosis, familial amyloidosis, primary amyloidosis, primar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemodialysis, hereditary non-neuropathic systemic amyloidosis (familial amyloid polymeuropathy III), familial amyloidosis of Finnish type, amyloidosis associated with medullary carcinoma of the thyroid, fibrinogen associated medulary carcinoma of the thyroid, fibrinogen associated medulosis. The present sequence is beta-amyloid peptide fragment used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cērebrovascular diseasē, cardiovascūlar disease, memory loss, anxiety, behavioural dysfunction, neurological condition; psychological condition, vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amyloid-beta; amyloid-beta related disease; amyloid-beta fibril formation; immune response; nootropic; anturorective; haemostatic; ophthalmological; antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endoctine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzhaimer's disease; mild cognitive impairment; mild-to-moderate cognitive impairment; vascular dementia; cerebral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age_related macular degeneration; hypothyroidism;
polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 8; Length 7; 100.0%; Pred. No. 1.8e+06; rive 0; Mismatches 0; Indels
                                                               Example 12; SEQ ID NO 7; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ37378 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ37378;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ37378
   ð
```

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that conditions anyloid-beta fibril formation; or (ii) an immune response against amyloid-beta fibril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta corprished; antithyroid; antithyroid; arkinorective, carebroperoctic, cardiovascular, tranquilliser, uropathic, anticonvulsament, antithyroid; and anyloid-beta fibril formation medulators, and as immune system modulators (C) can be used for preventing or treating an amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating an amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating an amyloid-beta fibril formation modulators, and as immulated disease of a amploid-beta fibril formation modulators, and as immulated disease of e.g. Alzheimer's disease (including sporation) or a condition associated with Alzheimer's disease.

C (non-hereditary) or familial (hereditary) immid cognitive impairment, mild-to-moderate cognitive impairment, vascular disease, cardiovascular dementia, commid-to-moderate cognitive investigance cerebral heamorrhage, senile dementia, bown's syndrome, inclusion body myositis, age-related meacular dementia, cageneration, or a condition associated with Alzheimer's disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, parkinson's disease, amyotrophic lateral acteriors, amonory, arxinson's disease, amyotrophic lateral acteriors, amonory, arxinson's disease, amyotrophic lateral active fore, sellution, getta disturbance, transient alertines, attention deficit, frequent fallowing active, transient alertines, attention deficit, frequent alertines, atte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                               Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 30; DB 8; 1 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                   Disclosure; Page 95; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADQ37350 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADQ37350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ37350
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
```

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related diseas; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation; or (therapeutic immune response against amyloid-beta fibril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta fibril formation; or (iii) an immune system modulator that prevents or inhibits amyloid-beta (ibril formation. Also described is a kit comprising (C). (C) have notropic, neuroprofective, cerebroprofective, haemostatic. (C) have notropic, neuroprofective, cerebroprofective, haemostatic. coptibility antichyroid, vasotropic, cardiovascular, tranquilliser, uropathic, auticonvulsant, anti-HIV, antiparkinsonian, muscular, neurolegitic, cardiant, amidepressant, endocrine and hyporic activities, and can be used as amyloid-beta fibril formation modulators, and as mayloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, vasotlar dementia, campled angiopathy, hereditary cerebral haemorrhage, senile dementia, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, coperation, or a condition associated with Alzheimer's disease, dementian, cor a condition associated with Alzheimer's disease, amyloid angiopathy, or a condition associated with Alzheimer's disease, dementian, cor a condition associated with Alzheimer's disease, dementia, condition (e.g. apathy, aggression, or incontinnee), an eurological condition (e.g. spathy, aggression, or incontinnee), an eurological condition (e.g. with Lewy bodies allered muscle tone, seizures, sensory loss, usucidal deficite, incoordination, gait disturbance, transtent sendentia, cor stroke, transisent alerted muscle condition (e.g. depression, delusion), hallucination, sexual disorder, weight (ideation), allusion, hallucination,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cerebrovascular disease, cardiovascular disease, memory loss, anxiety; behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
amyloid-beta fibril formation; immune response; nootropic; neuroprotective; carebroprotective; haemostatic; ophthalmological; antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; mild-to-moderate cognitive impairment; vascular dementia; eserbaral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age-related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 87; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; cerebroprotective; haemostatic; ophthalmological;
antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypontic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes compositions (C) comprising: (a) a first agent (al) that prevents or treats amyloid-beta related disease; and (b) as second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have nootropic, neuroprotective, cerebroprotective, haemostatic, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
having amyloid-beta deposits. The present sequence represents a beta-
amyloid modulator peptide which is used in the exemplification of the
present invention.
                                                                                                                                                                   Gapв
                                                                                                                                                                   ö
                                                                                                                             Length 7;
                                                                                                                                                                 0; Indela
                                                                                                                             100.0%; Score 30; DB 8; L
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 87; 143pp; English.
                                                                                                                                                                                                                                                                                                                                           ADQ37351 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                     07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-543342/52.
                                                                                                                                               Sest Local Similarity
                                                                                                                                                                                                         ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2004058239-A1.
                                                                                                                                                                                                         OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vaccine antigen,
                                                                                       Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                 ADQ37351;
                                                                                                                                                                                                         --
                                                                                                                               Query Match
                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                       RESULT
               SSSSS
                                                                                                                                                                                                         ଚ
                                                                                                                                                                                                                                           셤
```

```
cc uropathic, anticonvulsant, anti-HIV, antiparkinsonian, muscular, cardiant, antidepressant, endocrine and hypnotic activities, neuroleptic, cardiant, antidepressant, endocrine and hypnotic activities, can and as and as and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (Including sporadic confine and antidative impairment, vascular dementia, cerebral amyloid angiopathy, hereditary) and secondary cerebral hamorrhage, senile dementia, cerebral compiled angiopathy, hereditary cerebral hamorrhage, senile dementia, cerebral compiled angiopathy, hereditary cerebral hamorrhage, senile dementia, cerebral compiled angiopathy, hereditary cerebral hamorrhage, senile dementia, cerebral amyloid angiopathy, hereditary cerebral hamorrhage, senile dementia, cerebral captures, agoneration, or a condition body myositis, age-related macular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apably, cisease, anyotrophic lateral solarosis, acquired immunodeficiency, parkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia cited deficits, incoordination, gait disturbance, transient ischaemic strack or stroke, transient alertness, attention deficit, frequent falls, cyncope, neurological condition (e.g. depression, delusions, condition, palludination, sensitivity, normal pressure hydrocephalus, subdural condition, depressed mood, irritability, anhedonia, social withdrawal, or disturbance, insommia, behavioural discinhibition, poor insight, suicidal deation, depressed mood, irritability, anhedonia, social withdrawal, or amyloid precursor protein gene, an ApoB gene, or a presentlin gene, an ApoB gene, or a presentlin gene, con amyloid medulator peptide which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiomyopathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity 100.0%; Score 30; DB 8; Length 7; Similarity 100.0%; Pred. No. 1.8e+06; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Beta-amyloid modulator peptide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW02310 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96WO-US003492.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (PHAR-) PHARM PEPTIDES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9628471-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW02310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW02310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
```

```
Advantation would be the invention of the Deca-amyloid decided to modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of amyloid plaques are present both in the brain lesions, and in plaques. Amyloid plaques are present both in the brain lesions, and in the amils of carebral blood vessels in Alzheimer's disease patients. The camploid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a biotin containing group. The modifying group. These compounds then modulate the aggregation of these sequences to natural amyloid proteins or peptides when contacted with the natural amyloid proteins or peptides when contacted with the natural anyloid proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with amyloidosis, such as familial amyloidosis, septemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, familial amyloidosis, scrapie, conditions anyloidosis, familial amyloidosis, familial amyloid nephropathy with urticaria and deafness, hereditary cerebral haemorrhage and other types of amyloidosis. The modulators are also usefully far the farther associated with beta-amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation; positron emission tomography; PET; Down's syndrome; amyloidosis.
n H, Garnick MB, Gefter ML, Hundal A;
Signer ER, Wakefield J, Reed MJ, Molineaux S;
Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                 Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                   AAW02310-W02332 represent the peptide portions of the beta-amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 30; DB 2; Length 8; 100.0%; Pred. No. 1.8e+06; rive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (KARO-) KAROLINSKA INNOVATIONS AB.
                                                                                                                                                                                                                             Claim 16; Page 90; 106pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW45937 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid beta peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95SE-00004467.
95US-0009386P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96WO-SE001621.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
             Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
6, Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alzheimer's disease
                                                                                               WPI; 1996-433762/43
                           Kasman L, Musso G,
Kubasek W, Chin J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 QKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |||||||
2 QKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12-DEC-1995;
29-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9721728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-MAR-2003
30-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JUN-1997.
             Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW45937;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW45937
             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
```

```
New peptide(s) derived from beta-amyloid peptide that inhibit amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2002098173-A1.
                                                                                                                                                                                                                                                                                                OKLVFF
                                                                                                                                                                                                                       Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-JUL-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Кавшап Г,
                                                                                                                                                                                                                                                                                                                                                                                                          ABG71005;
                                                                                                                                                                                                                                                                                                                                                            RESULT 34
                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                     吕
                                                                                                                  This sequence represents a fragment of the amyloid beta peptide. The invention relates to the use of peptide compounds for inhibition of anyloid beta peptide (ABP), as model substances for synthesis of ABP-ligands for inhibition of polymerisation of ABP, as a tool substances for synthesis of ABP-ligands for inhibition of polymerisation of ABP, as a tool for the identification of other organic compounds with similar the functional properties, or as ligands in positron emission tomography. The peptides may be used in treatment of amyloidosis, especially in treatment or prevention of demens in patients with amyloidosis, for treatment or prevention of demens in patients with bown's syndrome, for treatment or prevention of hereditary cerebral haemorrhage with amyloidosis (Dutch type) or for the prevention of fibril formation of human amyloid protein. They can also be used for identifying other molecules with similar properties and/or as ligands for detection of amyloid deposits using e.g.
                                                                                                                                                                                                                                                                                                                                                                       o;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bab;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gefter ML, Kasman L, Musso G, Molineaux S, Benjamin H;
, Chin J, Lee J, Kelley M, Reed M, Wakefield J;
, Kubasek W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                               Use of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
  Terenius L;
                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                          Similarity 100.0%; Score 30; DB 2; Length 8; Similarity 100.0%; Pred. No. 1.88+06; Conservative 0; Mismatches 0; Indels
Thyberg J, Tjernberg LO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beta-amyloid peptide derivative A-beta-14-21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW89374 standard; peptide; 8 AA.
                                                                                               Example 1; Fig 2B; 31pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96US-00612785.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PRAE-) PRAECIS PHARM INC.
 Nordstedt C, Naeslund J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                      WPI; 1997-332723/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-094964/08
                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 6; Conser
                                                                                                                                                                                                                                                                                                                                                                                              1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                            OKLVFF
                                                                                                                                                                                                                                                                                                                        Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Garnick MB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US5854204-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW89374;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hundal A,
                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW89374
  ઠે
```

```
ö
                                                                                                                                                                                   The present invention describes beta-amyloid peptide (bAP) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and prevential cardiomyopathy, by by detecting binding of bAP to labelled bAP derivatives. Some bAP derivatives inhibit bAP aggregation when when the paresent in molar excess. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beta-amyloid, amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid cardiomyopathy; isolated cardiac amyloid, systemic senilal amyloidosis; scrapie; bovine cardiac amyloid, systemic senila amyloidosis; scrapie; myeloma; bovine spongiform encephalopathy; BSB; Crettzfeldt-Jakob disease; adult onset diabbetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary non-neuropathic systemic amyloidosis; muckle-Wells syndrome; familial Mediterranean Fever.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 30; DB 2; Length 8; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                k MB, Gefter ML, Hund
Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Long form beta-amyloid protein fragment #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Garnick MB,
                                                                                                                       Example 12; Col 64; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABG71005 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Musso G, Signer ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-OCT-2001; 2001US-00972475.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96US-00617267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-DEC-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-697709/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OKLVPF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a bAP derivative
```

```
The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or compound modulates the aggregation of natural amyloid proteins or and swedish types), familial amyloid cardiomyopathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiomyopathy (Danish type), creutzfeldt-Jākob disease, adult onset diabetes, Gerstmann-Straussler-Scheinker syndrome, insulinoma, isolated artial amyloidosis, idiopathic (primary) amyloidosis, modilar amyloidosis, familial Mediterranean Fever and familial condular amyloidosis associated with Sjogren's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloidosis associated with Sjogren's syndrome, reactive camyloidosis associated with amyloidosis of Icalandic type, exploidosis associated with amyloidosis of Icalandic type, camyloidosis of the thyroid, fibrinogen-associated with III), camyloidosis associated hereditary systemic amyloidosis of the thyroid, fibrinogen-associated hereditary carcinoma of amyloidosis associated with a molar excess amount of natural beta-APPs cor peptides when contacted with a molar excess amount of natural beta-APPs creative to the modulator. This sequence represents a fragment of the corporation of natural percentance cor peptides when contacted with a molar excess amount of an amyloid modulator. This sequence represents a fragment of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobial; auditory; amtidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polyneuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 5; Length 8; 100.0%; Pred. No. 1.8e+06; iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beta amyloid peptide (14-21) SEQ ID NO:5.
                                           Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB05153 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-00404831.
95US-00475579.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                95US-00548998.
coupled to a modifying group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ဖ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US6319498-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABB05153;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

```
The present invention describes an amyloid modulator compound (I) comprising an aggregation core domain and a modifying group attached to it. (I) has nootropic, neuroprotective, immunosuppressive, antimicrobial, antidiabetic, antipyretic, dermatological, cardiovascular, nephrotropic and auditory activities, and can be used as a natural amyloid aggregation inhibitor and a neurotoxicity inhibitor of natural beta amyloid peptide (beta-Ap). (I) are used in the manufacture of a medicament for the diagnosis or treatment of an amyloidogenic disease e.g. Alzhaimer's disease and other clinical occurrences of beta amyloid deposition such as Down's syndrome individuals and in patients with hereditary cerebral
                                                                                                                                                                                                                                                                                                                                                                                                         haemorrhage with amyloidosis, and for treating a disorder associated with amyloidosis such as familial amyloid polyneuropathy. (1) reduces the toxicity of natural beta-AP aggregates to cultured neuronal cells. (1) not only reduces the formation of neurotoxic aggregates but also have the ability to reduce the neurotoxicity of performed A-beta fibrils. The present sequence represents a beta-AP peptide, which is used in the
                                                                                                  Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzhaimer's disease comprises an aggregation core domain and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; familial amyloid polyneuropathy; cardiomyopathy; gystemic senile amyloidosis; bovine spongiform encephalopathy; cretuzfeldt-Jakob disease; derstmann-Straussler-Scheinker syndrome; diabetes; insulinoma; myeloma; Sjogren's Syndrome; familial mediterranean fever; urticaria; deafiness; hyyroid; hereditary cerebral haemorthage; haemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
            Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
          Gefter ML, Hunda
ield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human beta-amyloid long form peptide fragment #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 30; DB 5; I
100.0%; Pred. No. 1.8e+06;
          ., Benjamin H, Garnick MB, Gefter Musso G, Signer ER, Wakefield J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exemplification of the present invention
                                                                                                                                                                                      Disclosure; Col 18; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ64056 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95US-00404831.
95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-JUN-2003; 2003US-00463729.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               beta-amyloid peptide; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                      WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 OKLVFF 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2004005307-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-JAN-2004.
                                    Kasman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADJ64056;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     datches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADJ64056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

us-10-009-122-24.rag

```
Synthetic.
   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                      The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder aggregation modulators. The invention is used for treating disorder aggregation modulators. Particularly familial amyloid polymeuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Portuguese, Japanese and Swedish types), familial amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Gerstmann-Straussler-Scheinker syndrome, adult onset diabetes, insulinoma, isolated atrial amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary localized cutaneous nodular amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urticaria and deafness (Muckier Syndrome), hereditary cerebral haemorrhage with amyloidosis of cereditary non-neuropathic systemic amyloidosis of Finnish type, amyloidosis polymeuropathy III), familial amyloidosis of Finnish type, amyloidosis and lysozyme-associated hereditary senal amyloidosis and lysozyme-associated hereditary senal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The present sequence is beta-amyloid peptide fragment used amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; cerebroprotective; haemostatic; ophthalmological;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypontic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
mild-to-moderate cognitive impairment; wascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                   New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 8; Length 8; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                          Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hund.
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amyloidosis. The present sequence is bet in the exemplification of the invention.
                                                                                                                                                                                                 Example 12; SEQ ID NO 5; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ37377 standard; peptide; 8 AA.
04-OCT-2001; 2001US-00972475.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                              (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                       WPI; 2004-131767/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1|||||
2 OKLVPF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 8 AA;
                                                       Æ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADQ37377;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
The present invention describes compositions (C) comprising: (a) a first capture (a1) that prevents or treats amyloid-beta related disease; and (b) agencial (a1) that prevents or treats amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta aprophylactic or therapeutic immune response against amyloid-beta prophylactic or (ii) an immune system modulators that prevents or inhibits amyloid-beta modulators antithyroid, vasotropic, cardiovascular, tranquilliser, or pothalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, or intornvilasmic, antithyroid, vasotropic, cardiovascular, tranquilliser, or and can be used as amyloid-beta fibril formation and hypnotic activities, or and can be used as amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for disease (including sporadic (non-hereditary) or familial (hereditary), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral mayloid-beta related with Alzheimer's disease (including sporadic or myloid-beta related with Alzheimer's disease (including sporadic complexity) or familial (hereditary), mild cognitive impairment, or acondition associated with Alzheimer's disease (including hypothyroidism, cerebral haemorrhage, senile dementia, Down's syndrome, inclusion body myositis, agencial condition (e.g. apathy disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, Down's syndrome, inclusion associated with Alzheimer's disease, dementia disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, Parkinson's disease, apasia, apraxia, agnosia, pick disease, dementia, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural field deficits, incoordination, gait disturbance, transient alertness, attention deficit, frequent syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural disease, or any persential disease, and proper neuroleptic sensitivity, normal pressure pydrocephalu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 30; DB 8; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 95; 143pp; English.
                                                                                                                                                           24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                         24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-543342/52.
WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .. .1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8 AA;
                                                                         15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
Matches
```

```
The present invention describes compositions (C) comprising: (a) a first agent (al) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidominetic that condulates amyloid-beta fibril formation or induces a prophylactic or thereapeutic immune response against amyloid-beta fibril formation, or therapeutic immune system modulator that prevents or inhibits amyloid-beta (ii) an immune system modulator that prevents or inhibits amyloid-beta (iii) an immune system modulator that prevents or inhibits amyloid-beta contropic, neuroprotective, cerebroprotective, haemostatic, (C) have copthalmological, antithyroid, vasotropic, cardiovacular, tranquilliser, uropathic, anticonvulsant, anti-HIV, antiparkinsonian, muscular, coupathic, anticonvulsant, anti-HIV, antiparkinsonian, and as and can be used as amyloid-beta fibril formation modulators, and as and can be used as amyloid-beta fibril formation modulators and as myloid-beta related disease e.g. Alzheimer's disease (including sporadic mild-to-moderate cognitive impairment, vascular dementia, cerebral myloid anglopathy, hereditery cerebral haemorrhage, senile dementia, cappand, syndrome, inclusion body myositis, age-related macular myloid anglopathy, hereditery cerebral haemorrhage, senile dementia, cerebrand syndrome, inclusion body myositis, age-related macular cerebral anyloid anglopathy, hereditery, a behavioural dysfunction (e.g. Huntington's agenession, or incontinence), a neurological condition (e.g. Huntington's disease, amyotrophic lateral sclerosis, acquired immunodeficiency, dementia apraxia, agnosia, pick disease, dementia
                                                                                                                                                                                                                     wayloid-beta; amyloid-beta related disease;
w amyloid-beta fibril formation; immune response; nootropic;
w neuroprotective; cerebroprotective; hemostatic; ophthalmological;
w neuroprotective; cerebroprotective; hemostatic; ophthalmological;
w netitivycid; vasotropic; cardiovascular; tranquilliser; uropathic;
w antichycoid; vasotropic; cardiovascular; muscular; neuroleptic;
w artichopressant; endocrine; hypnotic;
w artichopressant; endocrine; hypnotic;
w anyloid-beta fibril formation modulator; immune
w Alzheimer's disease; mild cognitive impairment;
w hild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorthage;
w age-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
w behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 87; 143pp; English.
                                          ADQ37349 standard; peptide; 8 AA
                                                                                                                                                                                       Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NEUR-) NEUROCHEM INT LID.
                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vaccine antigen.
                                                                                                                                          07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                            ADQ37349;
RESULT 38
                         ADQ37349
```

```
Recombinant polypeptides produced using the coding sequences of mutant forms of amyloid precursor proteins comprising from the 5' to the 3' end a sequence encoding a marker and either (1) a sequence encoding the Nuterinus of an amyloid precursor protein (APP) up to, but not including, the nucleotides encoding the beta amyloid protein (BAP) domain or (2) the BAP domain; or the two ligated together, can be used to detect drugs or compounds that inhibit/augment the activity of proteolypic enzymes which patients with Alzheimers disease and Down's syndrome). This is a fragment of amyloid precursor protein containing a mutation which is associated with diseases involving BAP deposition
                                                                                                                                                                                                                                                                                                                                                                     ö
with Lewy bodies, altered muscle tone, seizures, sensory loss, visual field deficits, incoordination, gait disturbance, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural haematona, brain tumour, postrammatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions, illusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural dispinibilion, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoB gene, or a presentin gene; having amyloid-beta deposits. The present sequence represents a beta-amyloid modulator peptide which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New mutant forms of amyloid precursor protein - for detecting cpds. that modify activity of enzymes involved in precursor cleavage, also new
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amyloid precursor protein; APP; beta amyloid protein; BAP; detection;
Alzheimer's disease; Down's syndrome.
                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                   Length 8;
                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0%; Pred. No. 1.8e+06;
Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mutant amyloid precursor protein fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 35; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAR45239 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93AU-00038358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92US-00877675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMCY ) AMERICAN CYANAMID CO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic acid encoding them.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-JUN-1994 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vitek MP, Jacobsen JS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1993-406194/51.
N-PSDB; AAQ54267.
                                                                                                                                                                                                                                                                present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                   1 QKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 OKLVFF
                                                                                                                                                                                                                                                                                                  Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AU9338358-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAR45239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR45239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                  %$GGGGGGGGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                       ò
```

RESULT 40

셤 ð

```
Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                           Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; amyloid beta protein; beta-A4; memory enhancement; learning.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human amyloid beta protein (beta-A4) peptide 12-20 SEQ ID NO:4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 30; DB 4; Length 9; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gupta A;
                                                                                            AAB48493 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB04913 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 7; Page 25; 46pp; English.
                                                                                                                                                                                                             Antifibrillogenic peptide #20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-0132592P.
                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ø
OKLVFF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chalifour R,
                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-MAY-1999;
                                                                                                                                                                      02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                  AAB48493;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB04913;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                        RESULT 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABB04913
                                                                            AAB4849.
                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EXEXEXEXE
                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This sequence represents a fragment of the amyloid beta peptide. The invention relates to the use of peptide compounds for inhibition of bolymerisation of amyloid beta peptide (ABP), as model substances for synthesis of ABP-ligands for inhibition of polymerisation of ABP, as a tool for the identification of other organic compounds with similar thuctional properties, or as ligands in positron emission tomography. The peptides may be used in treatment of amyloidosis, especially in treatment of Alzheimer's disease associated with amyloidosis, for treatment or prevention of demens in patients with Down's syndrome, for treatment or prevention of hereditary cerebral haemorthage with amyloidosis (Dutch type) or for the prevention of fibril formation of human amyloid protein. They can also be used for identifying other molecules with similar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   properties and/or as ligands for detection of amyloid deposits using e.g. positron emission tomography. (Updated on 25-MAR-2003 to correct PI
                                                                                                                                                                                                                                                                                                                                                                                                                                          Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation; positron emission tomography; PET; Down's syndrome; amyloidosis.
                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Terenius L;
                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 30; DB 2; Length 9; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                        Length 9;
                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tjernberg LO,
                                                    ; Score 30; DB 2; L; Pred. No. 1.8e+06; 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nordstedt C, Naeslund J, Thyberg J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (KARO-) KAROLINSKA INNOVATIONS AB
                                                                                                                                                                                                                                                                 AAW45935 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; Fig 2B; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                       Amyloid beta peptide fragment.
                                                    Query Match
Best Local Similarity 100.0%;
Matches 6; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96WO-SE001621.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           95SE-00004467.
95US-0009386P.
                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1997-332723/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 OKLVPF 6
                                                                                                                                9
                                                                                                                              1 OKLVFF
                                                                                                                                                            OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 9 AA;
                Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9721728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-DEC-1995;
29-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-JUN-1997.
                                                                                                                                                                                                                                                                                                                                             25-MAR-2003
08-JUL-1998
                                                                                                                                                                                                                                                                                                         AAW45935;
```

ö

Gaps

ö

Field.)

ò

99US-0171877P

```
23-DEC-1999;
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a novel peptide compound comprising Lys-
His-Tyr-beta-alanine, which has a memory modulating effect. The peptide
has nootropic activity. The peptide can be used for the development of
topographic models useful to design and synthesise memory-enhancing and
life-quality improving substances. The peptide compound restores the
balance between excitatory and inhibitory systems in the brain, which is
required for optimal acquisition and retention of learning and helps to
correct defects in the balance that arise as a result of aging,
infections and injury. The substances exert recoperateicising effects on
nervous system function and has more prolonged desired effects at lower
doses than the peptide structures. The substances mimic the action of
active peptides without having a peptide structure and do not subject to
degradation of peptide-splitting enzymes in the gut or other tissues. The
present sequence represents a human amploid beta protein (beta-A4)
peptide, which is used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                     New peptide compound useful for design of substances that enhance memory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptide #20, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 30; DB 5; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Col 1; 30pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU11667 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                    97US-00797782
                                                                                                                                                      99US-00264709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Post Local Similarity 10v.
f: Conservative
                                                                                                                                                                                                                                                                                                                                     WPI; 2002-096566/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        φ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 OKLVFF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 OKLVFF
                                                                                                                                                                                                                                                (ROBE/) ROBERTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
                         Homo sapiens
                                                                  US6320024-B1
                                                                                                                                                          09-MAR-1999;
                                                                                                                                                                                                    07-FEB-1997;
                                                                                                              20-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU11667;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 THE SECOND SECON
```

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral amyloid haemorrhagic trype and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11669, AAU11910 & AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                     Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Analyzing cleavage of polymer, by providing polymer sample, incubating the sample with labeled isotope for cleavage at potential cleavage site, and analyzing the masses of any uncleaved fragments by mass spectrometry.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mass spectrometry; polymer; analysis; cleavage; substrate specificity; isotope; protease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Differentially isotopically labelled (DiMaS) peptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 30; DB 5; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                         Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 3; Page 26; 73pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABP57517 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-JUN-2001; 2001GB-00015581.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-JUN-2002; 2002WO-GB002921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GLAX ) GLAXO GROUP LTD
(NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-184066/18.
                                                                                                                 WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OKLVFF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2003001206-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             03-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mckeown SC;
                                                                                                                                                                                                                                  inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABP57517;
                                                             Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 44
ABP57517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
```

```
The present invention describes a method (M1) for analysing cleavage of a polymer. M1 comprises: (a) providing a sample of the polymer, a portion of the polymer molecules having been labeled at a position on one side of the potential cleavage site with a first isotopic label and a portion of the potential cleavage site with a first isotopic label; (b) side of the potential cleavage site with a second isotopic label; (b) incubating the sample under conditions suitable for cleavage at the potential cleavage site; and (c) analysing the mass(es) of any cleaved incubating the sample under conditions suitable for cleavage at the potential cleavage site; and (c) analysing the mass(es) of any cleaved conditions suitable for cleavage at the polymer; where cleavage has taken place. M1 is useful for analysing cleavage of a polymer, where the polymer; is a linear polymer, and comprises a peptide or protein. Methods from the present invention can be used in discovering cleavage of from the present invention can be used in discovering cleavage dentified from the human genome. The methods are also useful to identify the sequence origin, and in screening methods to identify new substrates for enzymes, in positional peptide scanning clibraries, in in vivo/ex vivo/in vitro peptide, and in assaying methods con polymerides in expression. The methods are useful for monitoring the cleavage of polymerides or polymorleotides, and for determining optimal polymer cuberning contined the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; postiasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 30; DB 6; Le
100.0%; Pred. No. 1.8e+06;
.ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kong X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1. .9
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE35436 standard; peptide; 9 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-201269/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 QKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Abeta peptide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE35436;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE3543(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
```

Prevention and/or treatment of an amyloid-related disease e.g.

```
The invention relates to a method for prevention and/or treatment of an anyloid-related disease which comprises administration of an all-D-amyloid-related disease which comprises administration of an all-D-amyloid-bet apptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and caronic angiopathy; for altering serum levels of amyloid-beta in amymal and the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including carbinatory diseases e.g. rheumatory atthritis, psoriatic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, carbinitis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, carbinitis, ankylosing spondylitis, psoriasis, bronchiectasis, decubitus infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus culcers, chronic pyelonephritis, otheromyelitis and Whipple's disease).

Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymbhoma, renal carcinoma of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The formation of the present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New amyloid beta peptide, useful for preparing a composition for preventing the formation or progression of amyloid plaques for preventing or treating Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes an isolated amyloid beta peptide or its homologue which is selected by a method comprising: (a) determining the binding value of each amino acid of a subsequence of amyloid beta peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
 Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vaccine; immunisation; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 30; DB 6; 1
Pred. No. 1.8e+06;
); Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; SEQ ID NO 28; 69pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MIND-) MINDSET BIOPHARMACEUTICALS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amyloid beta peptide SEQ ID NO:28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI35874 standard; peptide; 9 AA.
                                     Page 58; 44pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-JUL-2003; 2003WO-US022280.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-JUL-2002; 2002US-0396245P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chain DG, Fitzer-Attas C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-122759/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               QKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2004006861-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amyloid beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                              invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADI35874;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADI35874
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
```

```
upon binding to a HLA class 1 and/or class II molecule of interest; (b) determining the resulting score of all amino acids of the subsequence, based on the binding value of each amino acids obtained in step (1); and (c) comparing the resulting score to a preselected value. Also described: or diluent; (2) determining T-cell epitopes within amyloid beta peptide; or diluent; (2) determining T-cell epitopes within amyloid beta peptide; (3) predicting the reaction of an individual to a vaccine; (4) matching a vaccine comprising a beta amyloid or homologue peptide to an individual, (c) a kit for matching a vaccine comprising a myloid beta peptide beta peptide to an individual based on the HLA haplotype of the individual; (5) a kit for matching a vaccine comprising amyloid beta peptide has neuroprotective activity, and can be used in vaccines. The amyloid beta peptide is useful for preparing a composition or progression of amyloid plaques for preventing the formation or progression of amyloid plaques for preventing or treating Alzheimer's disease. The present an amyloid beta (Abeta) peptide, which is used in an example for the present an amyloid beta (Abeta) peptide, which is used in an example
                                                                                                                                                                                                                                                                                                                                                                                 o;
                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amyloid beta peptide; vaccine; immunisation; neuroprotective; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 30; DB 8; Length 9; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MIND-) MINDSET BIOPHARMACEUTICALS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amyloid beta peptide SEQ ID NO:135.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI35981 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-JUL-2003; 2003WO-US022280.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-JUL-2002; 2002US-0396245P.
                                                                                                                                                                                                                                                                                     from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chain DG, Fitzer-Attas C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-122759/12.
                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2004006861-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                  1 OKLVFF
                                                                                                                                                                                                                                                                                                                    Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI35981;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
```

The present invention describes an isolated amyloid beta peptide or its bindlogue which is selected by a method comprising: (a) determining the binding value of each amino acid of a subsequence of amyloid beta peptide upon binding to a HiA class I and/or class II molecule of interest; (b) determining the resulting score of all amino acids of the subsequence, based on the binding value of each amino acids obtained in step (1); and (c) comparing the resulting score to a preselected value. Also described: (1) a vaccine comprising the isolated amyloid beta peptide and a carrier

New amyloid beta peptide, useful for preparing a composition for preventing the formation or progression of amyloid plaques for preventing or treating Alzheimer's disease.

Example 6; SEQ ID NO 135; 69pp; English.

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a novel composition comprising a complex of radioisotope technetium (Tc) with an aza-diaminadioxime ligand. The composition of the invention may be useful in radiopharmaceuticals for mammalian administration, to be used in diagnostic imaging of thrombi. The composition comprises minimised amounts of lipophilic technetium complex species, thus improving the overall imaging characteristics. The
or diluent; (2) determining T-cell epitopes within amyloid beta peptide; (3) predicting the reaction of an individual to a vaccine; (4) matching a vaccine comprising a beta amyloid or homologue peptide to an individual, for immunisation of an individual based on the HLA haplotype of the individual; (5) a kit for matching a vaccine comprising amyloid beta peptide to an individual based on the HLA haplotype of the individual; and (6) preventing the formation or progression of amyloid beta mayloid beta peptide is useful for preparing a composition for preventing the formation or progression of amyloid plaques for preventing or treating Alzheimer's disease. The present sequence represents an amyloid beta (Abeta) peptide, which is used in an example
                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Composition useful in radiopharmaceuticals for diagnostic imaging of thrombi comprises complex of radioisotope technetium with aza-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                radioisotope technetium; Tc complex; aza-diaminedioxime ligand; radiopharmaceutical; thrombus diagnostic imaging.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "OTHER = Attached to CO(CH2)2CO2- group"
                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lewis JS;
                                                                                                                                                                                                                                                                            Length 9;
                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Barnett DJ, Wadsworth HJ,
                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 8; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Radioisotope technetium-related peptide 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 28; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADP44609 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    label= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-OCT-2003; 2003WO-GB004573.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-OCT-2002; 2002GB-00024799.
                                                                                                                                                                                                            invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Brauers G, Farrar G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diaminedioxime ligand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMSH ) AMERSHAM PLC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-365454/34.
                                                                                                                                                                                                                                                                                             Similarity
6; Conserv
                                                                                                                                                                                                                                                                                                                                              1 OKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Misc-difference 9
                                                                                                                                                                                                              from the present
                                                                                                                                                                                                                                                                                                                                                                              OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004037297-A1
                                                                                                                                                                                                                                              Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-MAY-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADP44609;
                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                 Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 48
ADP44609
          8888888888888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                              셤
```

```
Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                               wayloid-beta; amyloid-beta related disease;

amyloid-beta fibril formation; immune response; nootropic;

mucroprotective; cerebroprotective; hemostatic; ophthalmological;

antithyzoid; vasotropic; cardiovascular; tranquilliser; uropathic;

antithyzoid; vasotropic; cardiovascular; tranquilliser; uropathic;

antithyzoid; vasotropic; cardiovascular; muscular; neuroleptic;

antithyzoid; antidepressant; endocrine; hypnotic;

amyloid-beta fibril formation modulator; immune system modulator;

amyloid-beta fibril formation modulator; immune system modulator;

Alzheimer's disease; mild cognitive impairment; vascular dementia;

cerebral amyloid angiopathy; hereditary cerebral haemorrhage;

senile dementia; Down's syndrome; inclusion body myositis;

senile dementia degeneration; hypothyroidsm,

cerebrovascular disease; cardiovascular disease; memory loss; anxiety;

behavioural dysfunction; neurological condition; psychological condition;
                                                                                                              ö
composition does not form a diastereomeric complex as it does not contain a chiral centre and hence does not require purification of the particular isomers. The current sequence is that of the radioisotope technetium (TC) -related peptide 2 of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or
                                                                                                                Gaps
                                                                                                              ;
0
                                                                                        Length 9;
                                                                                     100.0%; Score 30; DB 8; Length 9; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                           Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 67; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                ADQ37260 standard; peptide; 9 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INT LTD.
                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-543342/52.
                                                                                     Query Match
Best Local Similarity
                                                                                                                                         9
                                                                                                                                                                 σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference 1
                                                                                                                                                                4 OKLVFF
                                                                                                                                        1 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004058239-A1
                                                              Sequence 9 AA;
                                                                                                                 .
9
                                                                                                                                                                                                                                                                                   07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                         ADQ37260;
                                                                                                  Best Loca
Matches
                                                                                                                                                                                                     RESULT 49
 8888888
                                                                                                                                                                a
                                                                                                                                                                                                                                   CCCCX8X4445X8X1XX8X88X8X8X1444X8X444444X8X4X44444X0XCCCX8XXX4XA
                                                                                                                                         ઠે
```

```
therapeutic immune response against amyloid-beta fibril formation; or fibril an immune system modulator that prevents or inhibits amyloid-beta fibril in an immune system modulator that prevents or inhibits amyloid-beta fibril conditions. Also described is a kit comprising (C: (C) have notropic, neuroprotective, restrictive, haemostatic, contropic, neuroprotective, restrictive, haemostatic, contropic, anticherosid, vasotropic, cardiovascular, tranquilliser, neuropethic, anticherosid, vasotropic, cardiovascular, tranquilliser, corpethic, anticherosid, anticherosid, anticherosid, anticherosid, anticherosid, anticherosid, anticherosid, and an amyloid-beta fibril formation modulators, and as amyloid-beta fibril formation modulators, and as anyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-herosidiary)) or familial (herositary); in all cognitive impairment, or familial (herositary); in a condition with Alzheimer's disease (including hypothyroidism, cerebroal adsease, cardiovascular desentation, or a condition associated with Alzheimer's disease, any incontinence), a neurological condition (e.g. Huntington's disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, any arrail selection or incontinence), a neurological condition (e.g. Huntington's disease, aphasia, apraxia, agnosia, pick disease, dementia (including hypothyroidism, careforesis, acquired immunodeficitor, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural falls brain bandural bandandon, ballucination, sexual disorder; weight loss, psychosis, a sleep disturbance, insommia, behavioural distinhibition, poor insight, suicidal condition, depressed mood, irriteability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an election amyloid precursor protein gene, an Apos gene, or a pseptide that can be used as a vaccine antigen in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amyloid-beta; amyloid-beta related disease;

Manyloid-beta fibril formation; immune response; nootropic;

Manyloid-beta fibril formation; immune response; nootropic;

Mantichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

Manticonvulsant; anti-HIV; antiparkineonian; muscular; neuroleptic;

Manticonvulsant; antidepressant; endocrine; hypnotic;

Manyloid-beta fibril formation modulator; immune system modulator;

MAlzheimer's disease; mild cognitive impairment;

MAlzheimer amyloid angiopathy; hereditary cerebral haemorrhage;

MALCHO-moderate cognitive impairment; vascular dementia;

MALCHO-moderate cognitive impairment; vascular disease; memory loss; anxiety;

MALCHO-moderate dysfunction; neurological condition; psychological condition;

MALCHO-moderate cognition; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 30; DB 8; Length 9; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ37376 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 OKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADQ37376;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
```

```
24-DEC-2003; 2003WO-CA002021.
                                 24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                          (NEUR-) NEUROCHEM INT LTD.
                                               Gervais F, Bellini F;
                                                     WPI; 2004-543342/52.
                 WO2004058239-A1.
                       15-JUL-2004
Wed Mar
```

The present invention describes compositions (C) comprising: (a) a first capture (1a) that prevents or treats amyloid-beta related disease; and (b) agencial (1b) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta arbitation or induces a prophylactic or therapeutic immune response against amyloid-beta arbitation (c): (C) have modulators and influy antiparkinsonian (D): (C) have nocropic, neuroprotective, carebroprotective, heamostatic, cophthalmological, antichyroid, vasotropic, cardioara, mentionvalasmit, antichyroid, vasotropic, cardioara, mendulators and hyphotocatic, cardiant, antichyroid, vasotropic, cardioara, modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic formation, or a condition and pamenrhage, senile dementia, on anyloid-apthy, hereditary cerebral heamorrhage, senile dementia, on incontinence), a heurological condition (e.g. apathy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. manyloid-apteral algebra, and anyloid-apteral anyloid-algorial condition, and condition, and anyloid-algorial condition, gait disturbance, translent isdaemic attack or stroke, translent alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural ideation, depressed mayod, irritability, anhedonia, social withderawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an aubject e.g. human having a genomic mutation in an aubject e.g. human having a genomic mutation or having amyloid-beta and ap Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator. Disclosure; Page 95; 143pp; English. present invention.

Sequence 9 AA;

0; Gaps ch 100.0%; Score 30; DB 8; Length 9; Il Similarity 100.0%; Pred. No. 1.8e+06; c) Conservative 0; Mismatches 0; Indels Query Match Best Local Similarity Matches 6; Conserv

ö

1 QKLVFF 6

ò 셤 Search completed: March 9, 2005, 06:27:40

Job time : 63.9452 secs

Page 1

March 9, 2005, 06:11:36 ; Search time 63.9452 Seconds
 (without alignments)
 36.290 Million cell updates/sec GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd. OM protein - protein search, using sw model BLOSUM62 Gapop 10.0 , Gapext 0.5 US-10-009-122-1 29 1 KIVFFA 6 Scoring table: Title: Perfect score: Sequence: Run on:

2105692 Total number of hits satisfying chosen parameters: Minimum DB seq length: 0 Maximum DB seq length: 200000000

2105692 seqs, 386760381 residues

Searched:

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2001s:*
6: geneseqp2003s:*
7: geneseqp2003bs:*
8: geneseqp2003bs:* Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

			Description	Aab48483 Antifibri	Aab48474 Antifibri		Aab82631 All-D pep	Aau96819 Amyloid t	Aau96811 Amyloid t	Aaul1657 Peptide #	Aaul1648 Peptide #	Aae35446 Abeta pep	Abeta	Antifi		Adq37313 Antifibri	٠.			Aab48490 Antifibri	Aab82630 All-D pep	Aab82638 All-D pep	Amyloi	Aau96826 Amyloid t	Aaul1664 Peptide #		a	Adq37277 Vaccine a
SUMMARIES			OI.	AAB48483	AAB48474	AAB82623	AAB82631	AAU96819	AAU96811	AAU11657	AAU11648	AAE35446	AAE35438	ADQ37322	ADQ37270	ADQ37313	ADQ37262	ABG26598	AAB48482	AAB48490	AAB82630	AAB82638	AAU96818	AAU96826	AAU11664	AAU11656	AAE35452	ADQ37277
			DB	- 4	4	4	4	S	ß	ß	Ŋ	9	9	Φ)	æ	60	œ	4	4	4	4	4	ហ	ß	ß	S	ø	ω
			Match Length DB	9	9	9	9	9	9	9	9	9	9	9	9	9	9	66	9	9	9	9	9		9		9	9
	æ	Query	Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	9.96	9.96	9.96	96.6	96.6	96.6	96.6	96.6	96.6	96.6
			Score	29	29	29	29	29		29	29	29	29	29	29	29	29	29	28	28	28	28	28	28	28	28	28	28
		Result	NO.	1	7	m	4	S	9	7	œ	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

7321	61 Rice 2	Human	7 Mouse	Human		Rice F	Rice p	3792 Humar	1977 Drosop	5704	1252 Human	3335	Adj70225 Human hea	3428 Marker	3495 Marker	0981	1233	5011	7294	1360	1246 Induci	4500 Mouse	9138 Indu	40	7432 Mous	212 Mar	5136 Mar	3472	2314 Bet	3378 Bet	3484 Ant	476 Antifi	2632 All-	1009 Long £	05157 Beta a	5820 Amyloid	33305 Amyloi
6 8 ADQ37321 6 8 ADQ37329 ·	8 ADQ0976	A ADK3408	8 ADL7072	3 AAG0284	4 AA01121	7 ADC0796	7 ADC0794	4 AAM8379	4 ABB6197	8 ADQ6670	8 ABM8325	7 ADF7633	7 ADJ7022	8 ADJ7542	8 ADJ7549	8 ADN0486	8 ADR1423	8 ADP250	8 ADR9729	7	2 AAW5124	4 AAG6450	6 AB	7 ADF4340	7	8 ADJ7621	8 ADJ7613	4 ABB684	2 AAW0231	N	4 AAB4848	4 AAB4847	4 AAB8263	5 ABG7100	5 ABB0515	5 AAU9682	5 ABB833
28 96.6 28 96.6	8 96.6 2	9.96	8 96.6 3	8 96.6 7	8 96.6 17	8 96.6 18	8 96.6 18	8 96.6 19	96.6 56	8 96.6 85	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 92	8 96.6 114	8 96.6 114	8 96.6 114	8 96.6 114	8 96.6 114	8 96.6 114	8 96.6 114	8 96.6 114	8 96.6 144	7 93.1	7 93.1	7 93.1	7 93.1	7 93.1	7 93.1	7 93.1	7 93.1	7 93.1
26 27	2 2 8	, c	31	32	33	34	35	36	37	38	39	40	41	4	. 43	44	45	46	47	48	49	20	51	25	23	54	55	26	57	28	59	09	61	62	63	64	65

ALIGNMENTS

AAB48483 standard; peptide; 6 AA. Antifibrillogenic peptide #10. (first entry) 02-MAR-2001 AAB48483; RESULT 1 AAB48483

Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease. "C-terminal amide" Location/Qualifiers 6 /notge/ WO200068263-A2. Key Modified-site Homo sapiens.

04-MAY-2000; 2000WO-CA000515. 05-MAY-1999; 99US-0132592P 16-NOV-2000.

```
(NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-441458/47.
                                         Query Match
Best Local Similarity
                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                   therapy; antigen.
                                                                                                                                                                                                                                                                                                                      Misc-difference
                                                                                                           KIVFFA
                                                                                                                                                                                                                                                                                                                                                      WO200139796-A2.
                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                            07-JUN-2001
                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                       AAB82623;
protein
                                                                  Matches
                                                                                                                                             RESULT 3
                                                                                                          g
                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                         for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cytoprotection for treating amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                 Peptides AAB48474-B48496 are antifibrillogenic agents that can be used
                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                   ;
                                                                                                                                                                                                                                            100.0%; Score 29; DB 4; Length 6; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gupta A;
                        Gupta A;
                                                                                                                                                                                                                                                                                                                                                                  AAB48474 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 7; Page 25; 46pp; English.
                                                                                                            Claim 7; Page 25; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                  Antifibrillogenic peptide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99US-0132592P
                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                     Chalifour R, Gervais F,
                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chalifour R, Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (NEUR-) NEUROCHEM INC
 (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-031852/04.
                                            WPI; 2001-031852/04.
                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                                                                                                                                                                                                                                       KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200068263-A2.
                                                                                                                                                                                                                       Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                             02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                        AAB48474;
                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                            RESULT 2
 ò
                                                                                                                                                                                                                                                                                                            g
```

```
The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and other amyloid-beta peptide (dese AABS622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid residues or non-amino acid fragments. Vaccines of the invention are produced using 'non-self' peptides synthesised from the unnatural D-configuration amino acid to avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. The peptides need not be aggregated to be operative or immunogenic. The beta-sheet region or at least 1 region of an amyloid protein, e.g. the beta-sheet region or GAG-binding site region, the amyloid-beta peptide, or their immunogenic fragments, protein conjugates, immunogenic derivative peptides and immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptides and the all-D peptides of in AABS2613-64. The vaccine elicits a preferential TH-2 or TH-1 response, preventing fibrillogenesis and associated cellular toxicity. The amyloid related diseases may be localised amyloidosis, e.g. diabetes type II,
                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                         .
0
                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    All-D peptide used in Alzheimer's disease vaccine.
100.0%; Score 29; DB 4; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1. .6
/note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gervais F;
                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 10; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB82623 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-NOV-2000; 2000WO-CA001413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-OCT-2001 (first entry)
                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chalifour R, Hebert L,
```

us-10-009-122-1.rag

```
9
                                                                                                                                                                                                                                                                                                                                    AAU96819;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                        RESULT 5
                                                                                                                                                                                                                                                                                                   AAU96819
   ò
                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
neurodegenerative diseases, e.g. bovine spongiform encephalitis, Creutzfeldt-Jakob disease, scrapie, cerebral amyloid angiopathy, and prion protein related disorders, or systemic amyloidosis associated with chronic infection (e.g. tuberculosis) or chronic inflammation (e.g. rheumatoid arthritis), familial Mediterranean fever (FMF) and systemic amyloidosis found in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and other amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AABS622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid fragments. Vaccines of the invention are produced using 'non-self' peptides synthesised from the unnatural D-configuration amino acids to avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid protein, e.g. the beta-sheet region or GAG-binding site region, the amyloid-beta peptide, or their immunogenic
                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                       Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                             ö
                                                                                                      Length 6;
                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                 All-D peptide used in Alzheimer's disease vaccine.
                                                                                                      Score 29; DB 4; I Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                            ...6
'note= "all D-form residues"
                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gervais
                                                                                                                                                                                                                                                                                                                                                                                                                             "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                              AAB82631 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kong X,
                                                                                                   100.0%; Sc
100.0%; Pr
tive 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                       Cuery Match
Best Local Similarity 100.vv
                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                             /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-441458/47.
                                                                                                                                                               ||||||
KIVFFA 6
                                                                                                                                                  1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                    therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                         Misc-difference
                                                                              Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                           02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                    AAB82631;
                                                                                                                                                                                                                  8888888888
                                                                                                                                                                      셤
                                                                                                                                                  ò
```

```
ö
                       immunogenic peptidomimetics. Examples include all-D peptides corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and 36-42 of the amyloid-beta peptide and the all-D derivative peptides given in AAB82623-64. The vaccine elicits a preferential TH-2 or TH-1 response, preventing fibrillogenesis and associated cellular toxicity. The amyloid anguagementive diseases may be localised amyloidosis, e.g. disbates type II, neurodegenerative diseases, scrapie, cerebral amyloid angiopathy, and prion procein related disorders, or systemic amyloidosis associated with chronic infection (e.g. tuberculosis) or chronic inflammation (e.g. rheumatcoid arthritis), familial Mediterranean fever (FMF) and systemic amyloidosis found in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to an amyloid-targeting imaging agent comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
immunogenic derivative peptides and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          transmissible cerebral amyloidosis; transmissible virus dementia; scrapie, transmissible mink encephalopathy; 8ES; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; diabary amyloidosis; feline spongiform encephalopathy; diabarses; prion-mediated disease; blood-brain barrier; diablysis-related amyloidosis; light chain-related amyloidosis; erebral amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 29; DB 4; Lv
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Migneault
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "Ala is amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ¥.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 49; Page 21; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAU96819 standard; peptide; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amyloid targeting peptide #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-JUL-2001; 2001WO-CA001071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ||||||
KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gervais F,
```

```
cc amyloid targeting moiety, a linker moiety and a labelling moiety. The agent is of general formula A.t.(A.l.n.k) z.A.l.a.b (1) where z = 0 - 1; cc a labelling moiety. A.l.n.k = a linker moiety; and A.l.a.b cc = a labelling moiety. Also included are Imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving cdiagnosing an amyloid-related condition advised to determine the presence of amyloid or amyloid-related condition cc administering (1) to the patient, and ultrasound imaging (1) in the patient to determine the presence of amyloid or amyloid-related condition; and a kit for preparation aradiopharmaceutical preparation comprising (1), a reducing agent, a buffering agent, attanschelating agent, and (1), a reducing agent, and mayloid-related condition. The agents are used for imaging amyloid deposition and for diagnosing an amyloid related condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible corephral amyloidosis (transmissible virus dementias), familial CUD, creepbral amyloidosis, falinemissible virus dementias), familial CUD, creepbral amyloidosis, Alzheimer's disease, prion-mediated diseases, cerebral amyloidosis, Alzheimer's disease, prion-mediated diseases, cerebral creepbral amyloidosis, Alzheimer's disease, prion-mediated diseases, cerebral creepbral amyloidosis, Alzheimer's disease, prion-mediated amyloidosis, and are capable of binding specifically to amyloid plaques. The parent sequence is a peptide forming the amyloid targeting moiety of the present sequence is a peptide forming the amyloid targeting moiety of the greent effects.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapte; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; diablammation associated amyloid; Albahmer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l. 6
/note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 29; DB 5; L
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Migneault D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kong X, Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU96811 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JUL-2001; 2001WO-CA001071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloid targeting peptide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-JAN-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU96811;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU9681:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
```

Gaps

; 0

```
The invention relates to an amyloid-targeting imaging agent comprising an computation transferring moiety, a linker moiety and a labelling moiety. The agent is of general formula A.t-(A.l.n.k) z-A.l.a.b. [1] where z = 0 - 1; compared in a mamyloid targeting moiety; A.l.a.b. [1] a.b. [1] a.b. [2] a.b. [3] a.b. [4] a.b. [5] a.b. [5] a.b. [6] a.b. [7] a.b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptide #10, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                  New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 5; I
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU11657 standard; peptide; 6 AA.
                                                                                                             Claim 49; Page 21; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99US-0171877P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (NEUR-) NEUROCHEM INC
WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU11657;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 7
AAU11657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
```

S

```
Query Match
Best Local Similarity
                                                                                                                                                                                          9
                                                                                                                                                                 KIVFFA 6
                                                                                                                                                                                                                                                                                                                          Abeta peptide #17
                                                                                                                                                                                        KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200296937-A2
                                                                                              Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                              Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-DEC-2002.
                                                                                                                                                                                                                                                                            AAE35446;
                                                                                                                                            Matches
 8888888888
                                                                                                                                                                  ઠે
                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                ö
                                                                                                                 The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (ANU1648-AAU1669, AAU11910 & AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to a new method of inhibiting cerebral amyloid angiopethy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid
                                            Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Peptide #1, used as a carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                          was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 5; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 10; 68pp; English.
                                                                                            Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                      AAU11648 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gervais F;
Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-075222/10.
                       WPI; 2002-075222/10
                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                     1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200185093-A2
                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Green AM,
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                          셤
```

ò

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D-amyloid-bela peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic
angiopathy, particularly Alzheimer's disease, hereditary cerebral hamorarhage with amyloidosis of the Dutch type and haemorrhage stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11669, AAU11910 & AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyolonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 an amyloid-related disease e.g.
use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 5; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE35446 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prevention and/or treatment of Alzheimer's disease, comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-201269/19.
```

```
The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D-amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including
arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leproxy, tuberculosis, bronchiectasis, decubitus ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prevention and/or treatment of an amyloid-related disease e.g.
Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 6; Length 6;
100.0%; Pred. No. 1.8e+06;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chalifour RJ, Kong X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1. .6
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE35438 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 58; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KIVEFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Abeta peptide #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE35438;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 10
AAE35438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8 \times 8
```

```
Amyloid-beta; amyloid-beta related disease;

W amyloid-beta fibril formation; immune response; nootropic;

W amyloid-beta fibril formation; immune response; nootropic;

W neuroprotective; cerebroprotective; haemostatic; ophthalmological;

W antichyroid; vasciropic; cardiovascular; tranquilliser; uropathic;

W anticonvulsant; antidepressant; endocrine; hypnotic;

W ardiant; antidepressant; endocrine; hypnotic;

W ardiant; antidepressant; endocrine; hypnotic;

W ardiant; antidepressant; endocrine; hypnotic;

W alzheimer's disease; mild cognitive impairment;

W alzheimer's disease; mild cognitive impairment;

W ardial dementia; pown's syndrome; inclusion body myositis;

W senila dementia; pown's syndrome; inclusion body myositis;

W serila dementia; pown's syndrome; inclusion body myositis;

W cerebrovascular degeneration; hypothyroidism;

W cerebrovascular degeneration; hypothyroidism;

W pehavioural dysfunction; neurological condition;

W andial demention;
                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                arthritis, anxylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus incers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                             Gaps
rheumatoid arthritis, juvenile chronic
                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                    ; Score 29; DB 6; Length 6; Pred. No. 1.8e+06; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ37322 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                               100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-DEC-2003; 2003WO-CA002021
              inflammatory diseases e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NEUR-) NEUROCHEM INT LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                         ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                             1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vaccine antigen
                                                                                                                                                                                                                                            Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                      invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ37322;
                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADQ37322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
```

agent (al) that prevents contracts amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta ibril formation; or therapeutic immune response against amyloid-beta ibril formation; or therapeutic immune system modulator that prevents or inhibits amyloid-beta (ii) an immune system modulator that prevents or inhibits amyloid-beta (iii) an immune system modulator that prevents or inhibits amyloid-beta cortroprotective, cerebroprotective, haemostatic, cophthalmological, antithy anti-platishnonian, muscular, cophthalmological, anti-platishnonian, muscular, curopathic, anti-onvoltabant, anti-platishnonian, muscular, and as muscoleptic, cardiant, anti-depressant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as manyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, amild-to-moderate cognitive impairment, vascular dementia, cerebral amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, communical amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, communication body myositis, disease cognition associated with Alzheimer's disease contaction to a condition associated with Alzheimer's disease contaction. disease, memory loss, anxiety, a behavioural disease, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, aggression, or incontinence). A neurological condition (e.g. apathy, disease, amyotrophic lateral sclerosis, acquired immunodeficiency, hutchison's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual field deficits, incoordination, gait disturbance, transient ischemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neurological condition (e.g. depression, delusions).

Syncope, neurological condition (e.g. depression, delusions).

Catack or stroke, transient alertness, attention deficit, frequent falls, haematoma, brain tumour, posttraumatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions).

Cillusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideation, depressed mood, irritebility, anhedonia, social withdrawal, or catesins gene, an appetide manyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposite. The present sequence represents a peptide in the evennifities of the can be used as an antifibiting peptide in the evennifit appetide present invention describes compositions (C) comprising: (a) a first in the exemplification of the present invention. Disclosure, Page 69; 143pp; English.

Sequence 6 AA;

Gaps ; 0 Length 6; 0; Indels 1 100.0%; Score 29; DB 8; L Similarity 100.0%; Pred. No. 1.8e+06; 6; Conservative 0; Mismatches 0; Query Match Best Local Similarity Matches 6; Conserv 1 KIVFFA 6 δ

ö

|||||| 1 KIVFFA 6

셤

ADQ37270 standard; peptide; 6 AA.

RESULT 12

ADQ37270;

(first entry) 07-OCT-2004

Vaccine antigen amyloid-beta related amino acid sequence.

amyloid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic; cardiant; antichyroids anti-HIV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; mild-to-moderate cognitive impairment; vascular dementia; cerebral amyloid angiopathy; hereditary cerebral haemorrhage; amyloid-beta; amyloid-beta related disease;

senile dementia; Down's syndrome; inclusion body myositis;
ge-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition; Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator. .6
 /note= "D-form residues" Disclosure, Page 67; 143pp; English. Location/Qualifiers /note= "amidated" 24-DEC-2003; 2003WO-CA002021 24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P. (NEUR-) NEUROCHEM INT LTD. Gervais F, Bellini F; WPI; 2004-543342/52. Misc-difference 1 vaccine antigen WO2004058239-A1 Modified-site 15-JUL-2004. Synthetic.

compositions (1) that prevents or treats amyloid-beta related disease, and (b) a second agent (a1) that prevents or treats amyloid-beta related disease, and (b) a second agent (a2) that is: (i) a peptide or peptideomiment that check a second agent (a2) that is: (i) a peptide or peptideomiment that check check disease a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune system modulator that preventes or inhibits amyloid-beta fibril formation modulator; anticonvulsant, antidepressant, endocrine and hypnoric activities, and can be used as amyloid-beta fibril formation modulators, and as an can be used as amyloid-beta fibril formation modulators, and as immodulators. (C) can be used for preventing or treating an can be used as amyloid-beta fibril formation modulators, and as immunofibril formation modulators, and as immunofic control in the system modulators. (C) can be used for preventing or treating an amyloid-beta related disease (e.g. Alzheimer's disease (including sporadic (mild-co-moderate cognitive impairment, wascular dementia, candiopsathy, hareditary cerebral haemorrhage, senile dementia, anyloid-beta related disease (e.g. Alzheimer's disease, candiovascular disease, dementia, catack or stroke, transient aletral sclerosis, acquired immunofficiency, particed muscle disease, amyloid-beta, inclouding, aparaxia, agnosia, pick disease, dementia catack or stroke, transient aletral sclerosis, acquired immunofficiency, particed, incoordination, galt disturbance, serior serior serior serior disease, and the partice or stroke, transient aletral sclerosis, acquired immunofficiency, candiovascular the dementian in amyloid brecursor procein gene, an Apos gene, or a psychological condition (e.g. depression, present invention describes compositions (C) comprising: (a) a first

```
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomiment that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or fibril formation, also described is a kit comprising (C): (C) have nootropic, neuroprotective, cerebroprotective, hemostatic, ophthalmological antithyroid, vasotropic, cardiovascular, tranquilliser, neurologic, antidappersesant, antidappersesant, endocrine and hypotic activities, and can be used as amyloid-beta fibril formation modulators, and as
                                                              ö
                                                                                                                                                                                                                                                                             amyloid-beta; amyloid-beta related disease; amyloid-beta fibril formation; immune response; nootropic; amyloid-beta fibril formation; immune response; nootropic; anteuroprotective; haemostatic; ophthalmological; anticorvulsant; antidepressant; endocrine; hypnotic; anticorvulsant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; vascular dementia; amild-co-moderate cognitive impairment; vascular dementia; enile dementia; nown's syndrome; inclusion body myositis; enile dementia; Down's syndrome; inclusion body myositis; erebrovascular deseneration; hypothyroidism; cerebrovascular disease; cardiovascular disease; memory loss; anxiety; behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                              Gaps
                                                              ö
                                     Length 6;
                                                              0; Indels
                                                                                                                                                                                                                                                      Antifibrillogenic amyloidosis inhibiting peptide.
                                     100.0%; Score 29; DB 8; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 69; 143pp; English.
                                                                                                                                                                               ADQ37313 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                07-OCT-2004 (first entry)
                                      Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-543342/52.
                                                                                           1 KIVFFA 6
                                                                                                                 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                vaccine antigen
                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                          ADQ37313;
                                                                                                                                                         RESULT 13
                                                                                                                                                                                           ò
                                                                                                                   셤
```

```
immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, can independent of mild-to-moderate cognitive impairment, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, camyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, bown's syndrome, inclusion body myositis, age-related macular disease, nemory loss, anxiety, a behavioural disease, cardiovascular disease, candromence, any associated with Alzheimer's disease (including hypothyroidism, cerebrowascular disease, cardiovascular disease, amyotrophic lateral sclerosis, acquired immunodeficiency, disease, amyotrophic lateral sclerosis, acquired immunodeficiency, parkinson's disease, aphasia, apraxia, agnosia, Pick disease, dementia of the disease, aphasia, apraxia, agnosia, Pick disease, visual cread muscle tone, seizures, sensory loss, visual cread muscle tone, seizures, sensory loss, visual creaded deficits, incoordination, gait disturbance, transient schaemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural catack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural disturbance, innomnia, behavioural distunbition, poor insight, suicidal destron, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an ideation, depressed mood, irritability, anhedonia, social withdrawal, or amyoloid-beta deposits. The present sequence represents a peptide that can be used as an antifibrillogenic amyloidosis inhibiting peptide con the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid-beta; amyloid-beta related disease;

KW mayloid-beta fibril formation; immune response; nootropic;

KW meuroprotective; cerebroprotective; haemostatic; ophthalmological;

KW milityroid; vasotropic; cardiovascular; tranquilliser; uropathic;

KW anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;

KW anticonvulsant; endocrine; hypnotic;

KW anyloid-beta fibril formation modulator; immune system modulator;

KW Alzheimer's disease; mild cognitive impairment;

KW mild-to-moderate cognitive impairment; vascular dementia;

KW mild-to-moderate cognitive impairment; vascular dementia;

KW mild-to-moderate sognitive impairment; vascular dementia;

KW mild-to-moderate cognitive impairment;

KW mild-to-moderate cognitive 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 8; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches

    .6
/note= "D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ37262 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ||||||
1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADQ37262;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ37262
```

```
New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity.
                                                                                                                                      Human, chromosome mapping; gene mapping; gene therapy; forensic;
food supplement; medical imaging; diagnostic; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 20; SEQ ID NO 56957; 103pp; English.
                                                                             Novel human diagnostic protein #26589.
                                                                                                                                                                                                                                                                                                                                                                                                 30-MAR-2001; 2001WO-US008631.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAR-2000; 2000US-00540217.
23-AUG-2000; 2000US-00649167.
                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-639362/73.
N-PSDB; AAS90785.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                  WO200175067-A2
                                                                                                                                                                                                                            Homo sapiens.
                       18-FEB-2002
                                                                                                                                                                                                                                                                                                                                        11-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a candulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune septem modulator that prevents or inhibits amyloid-beta fibril formation; or cardiomeration. Also described is a kit comprising (C). (C) have notropic, neuroprotective, rereproprotective, haemostatic, coptibliance, anticonvulsant, antichroprotective, haemostatic, coptibliance, anticonvulsant, antidepressur, endocrine and hypocit actions or inconting anyloid-beta fibril formation modulators, or copathic, anticonvulsant, antidepressur, endocrine and hypocit actions or inconting amyloid-beta fibril formation modulators, and as incontine or familial (hereditary), mild cognitive impairment, or amyloid angiopathy, hereditary or familial (hereditary), mild cognitive impairment, anyloid angiopathy, hereditary cerebroal haemorrhage, senile dementia, carebral amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, diecase, memory loss, anxiety, a behavioural dysfunction (e.g. Auntington's disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, amyoriophic lateral sclerosis, agnosia, pick disease, cament any bodies, anxiety, a behavioural dysfunction (e.g. Huntington's with Lewy bodies, anxiety, a behavioural dysfunction (e.g. Huntington's syncophic lateral sclerosis, agnosia, pick disease, dementia avith Lewy bodies, altered muscle tone, serioures, sensory loss, visual filed deficits, innoordination, gait disturbance, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural channess, ballonis, alleriance and proportion denderiance. The serion or a psychological condition (e.g. dependentiance) alleriance 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               damage), or a psychological condition (e.g. depression, delusions, damage), or a psychological condition (e.g. depression, delusions, allusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disonhibition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an amploid precursor protein gene, an ApoE gene, or a presentlin gene, an ApoE gene, or a presentlin gene, that can be used as a vaccine antigen in the exemplification of the
                                                                                                                                                                                                                                                                                                                                  Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 67; 143pp; English.
                                                                             24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.
                       24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                 (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                            WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6 AA;
                                                                                                                                                                                                                         Gervais F,
```

Tang YT;

```
The invention relates to isolated polymucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain caection (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polymucleotides are also used in diagnostics as expressed sequence tags for identifying expressed considerably techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a cupplement. (II) and its binding pattners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders of sites expressing (II). (I) and (II) are useful for treating disorders of sites expressing (II). (I) and (II) are useful for treating disorders of sites expressing (II). (I) and (II) are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders of supplements. For general protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in cargonishle for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in celectronic format directly from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 4; Length 99; 100.0%; Pred. No. 44; 0; Indels cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB48482 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               63 KIVPFA 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 99 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB48482;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB48482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EXXXE.
```

ö

Gaps ;

Indels

0,

0; Mismatches

6; Conservative

Matches

1 KIVFFA 6 KIVFFA ABG26598 standard; protein; 99 AA

RESULT 15 ABG26598

셤 8

ABG26598;

```
preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                   Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                        Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                           Score 28; DB 4; Length 6;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gervais F;

    .6
/note= "all D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                             Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB82630 standard; peptide; 6 AA.
                                                                                                                                                                                                                Claim 7; Page 25; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-NOV-2000; 2000WO-CA001413
                                                                                                                                                                                                                                                                                                                                                                                                                 96.68;
            99US-0132592P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chalifour R, Hebert L,
                                                                             ū
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC.
                                                                               Gervais
                                             (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Best Local 5; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-441458/47.
                                                                                                               WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6 AA;
              05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-2001.
                                                                             Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB82630;
                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB82630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48486 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                    Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                             Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 28; DB 4; Length 6;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                              Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB48490 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 7; Page 25; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antifibrillogenic peptide #17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.6%;
                                                                                                                                                                                                                            04-MAY-2000; 2000WO-CA000515.
                      Antifibrillogenic peptide #9.
                                                                                                                                                                                                                                                          99US-0132592P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                            Chalifour R, Gervais F,
                                                                                                                                                                                                                                                                                          (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
hes 5; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |:||||
KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                         WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-MAR-2001
                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-NOV-2000
                                                                                                                                                                                                                                                            05-MAY-1999;
                                                                                                                                                                                           16-NOV-2000
```

Query Match

Best Loc Matches

ò d

protein

AAB48490;

THE STATE OF THE S

RESULT 17 AAB48490

ö

Gaps

```
WPI; 2001-441458/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU96818;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU96818
 셤
                      The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and other amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AABS262), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid candino acid residues or non-amino acid fragments. Vaccines of the invention are produced using 'non-self' peptides synthesised from the unnatural D-configuration amino acids to peptides synthesised from the unnatural D-configuration amino acids to cavid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid protein, e.g. the beta-sheet region or GAG-binding site region, the amyloid-beta peptide, or their immunogenic fragments, protein conjugates, immunogenic derivative peptides and immunogenic peptidomimetics. Examples include all-D peptides and immunogenic peptidomimetics. Examples include all-D peptides and 36-42 of the amyloid-beta peptide and the all-D derivative peptides in AABS2623-64. The vaccine elicits a preferential TH-2 or TH-1 response, related diseases may be localised amyloidosis, e.g. diabetes type II, neurodegenerative diseases, scrapie, cerebral amyloid angiopathy, and prion protein related disorders, or systemic amyloidosis associated with chromic infection (e.g. tuberculosis) or chromic inflammation (e.g. tuberculosis) or chromic inflammation (e.g. theumatich and every ferminal protein related disorders, or systemic amyloidosis associated with the amyloid and systemic and syste
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 28; DB 4; Leugu...
Pred. No. 1.88+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                          amyloidosis found in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . .6
note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
Disclosure, Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB82638 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:||||
KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB82638;
&XGGGGGGGGGGGGGGGGGGGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      윱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
```

```
The present sequence is that of an all-bypother surface buttenore to the preparing vaccines for preventing or treating Alzheimer's disease and other amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AAB8262), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues, or by substituting 1 or more canno acid to the invention are produced using 'non-self' cavoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with a grayen of a manyloid protein, e.g. the beta-sheet region or a caption of an amyloid protein, e.g. the beta-sheet region or GAG-binding site region, the amyloid-beta peptide, or their immunogenic fragments, protein conjugates, immunogenic derivative peptides and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and associated cellular toxicity. The amyloid related diseases may be localised and the all-D derivative peptides given in AAB82623-64. The vaccine elicits a preferential Thi-2 or TH-1 response, conventing fibrillogenesis and associated cellular toxicity. The amyloid cellulated diseases may be localised amyloidosis, e.g. diabetes type II, celluted diseases, e.g. bowine spongiform encephalitis, creatzfeldt-Jakob diseases, e.g. bowine spongiform encephalitis, channed controlic infection (e.g. tuberculosis) or chronic inflammation (e.g. tuberculosis) or chronic inflammation (e.g. tuberculosis) or chronic inflammation atthritis) and eystemic anyloid fever (FMF) and systemic cheumated diseases).
Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                        sequence is that of an all-D peptide suitable for use in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; Alzheimer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 28; DB 4; Length 6;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amyloidosis found in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                         Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU96818 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amyloid targeting peptide #8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cerebral amyloid angiopathy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Misc.difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:||||
1 KWFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JUL-2002
```

us-10-009-122-1.rag

```
New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                              /note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                  Chalifour R, Migneault D;
                                                                                                    /note= "Ala is amidated"
                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 49; Page 21; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96.6%;
                                                                                                                                                                                                           25-JUL-2001; 2001WO-CA001071.
                                                                                                                                                                                                                                          25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Guest Local Similarity 83.33,
Best Local Si Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                 (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                  Kong X,
                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-371447/40.
                                                 Misc-difference 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6 AA;
                                                                                                                                       WO200207781-A2
                                                                                      Modified-site
                                                                                                                                                                          31-JAN-2002
                                                                                                                                                                                                                                                                                                                                  Gervais F,
 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU11664;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU11664
田菜は菜はは田
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                        The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The agent is of general formula A.t. (A.l.n.k) z.A.l.a.b. [1] where z = 0 - 1; A.t. = an amyloid targeting molety; A.l.n.k = a linker moiety; and A.l.a.b. [2.4] a.b. [3.4] a.b. [3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                             New amyloid-targeting imaging agents useful for in vivo imaging amyloid plagues and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid, imaging agent, Creutzfeldt-Jakob disease, Kuru, CJD, transmissible cerebral amyloidosis; transmissible virus dementia; serapté, transmissible mink encephalopathy; BSE, type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; dialammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; dialahais-related amyloidosis; light chain-related amyloidosis; cerebral amyloid anglopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              96.6%; Score 28; DB 5; Length 6; 83.3%; Pred. No. 1.8e+06; rive 1; Mismatches 0; Indels
                                                                                                                                                           Migneault D;
                                                                                                                                                           Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAU96826 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                  Claim 49; Page 21; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid targeting peptide #16.
                                    25-JUL-2001; 2001WO-CA001071.
                                                                       25-JUL-2000; 2000US-0220808P.
                                                                                       24-JUL-2001; 2001US-00915092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                        (NEUR-) NEUROCHEM INC.
                                                                                                                                                           Gervais F, Kong X,
                                                                                                                                                                                              WPI; 2002-371447/40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |:||||
1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-JUL-2002
   31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU96826;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU96826
   Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
```

```
ô
                                                                                                                                                                                                                             Peptide #17, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                   Gaps
                                                                                                                                                   ;
                                                                                                                                                   0; Indels
                                                                                                                                         Length 6;
                                                                                                                                          DB 5; L/
1.8e+06;
                                                                                                                                          Score 28; DB
Pred. No. 1.8e
1; Mismatches
                                                                                                                                                                                                 AAU11664 standard; peptide; 6 AA.
```

us-10-009-122-1.rag

```
Matches
                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 24
  ò
                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                 The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating diseases states characterised by cerebral amyloid haemorrhage with amyloidses of the Dutch type and haemorrhagic caroke. The present sequence represents one of a group of peptides (AAVI1648-AAVI1669, AAVI1910 & AAVI1911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid anglopathy (CAA)
                                                                                                                                                                                                                                                       Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
        Amyloid-beta40 inhibitor, Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid-beta40 inhibitor, Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide #9, used as a carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 28; DB 5; Length 6;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                                                                                        /note= "C-terminal amide"
                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                Disclosure, Page 10, 68pp, English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU11656 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               96.6%;
                                                                                                                                                   22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                        99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 96.6
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                            (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                               Gervais F;
                                                                                                                                                                                                                                    WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                            WO200185093-A2
                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200185093-A2
                                                                                                                                                                       23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-NOV-2001
                                                                                                                               15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                 Synthetic
                                                                                                                                                                                                               Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
```

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral haemorinage with amyloidosis of the Dutch type and heemorinagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11669, AAU11910 & AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeca40) inhibitor. The Abeca40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                     Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            All-D-amyloid-beta peptide, Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyslonephiritis; osteomyalitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 28; DB 5; Length 6; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE35452 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2001; 2001US-00867847.
22-DEC-2000; 2000WO-IB002078.
                                                             99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5; Conservative
                                                                                                                          (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                           Green AM, Gervais F;
                                                                                                                                                                                                                                                        WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Abeta peptide #23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:||||
KWFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modified-site
                                                             23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE35452;
```

```
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                               The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D - amyloid-beta peptide. The method is used for preventing and/or treating CAlzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and carounce of soluble amyloid-beta in a mammal and carounce of soluble amyloid-beta in a mammal and cannot be considered the mammal; and reducing or inhibiting the formation of plaques. It is the mammal; and reducing or inhibiting the formation of plaques. It is can filammatory diseases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriatis, juvenile chronic arthritis, ankylosing spondylitis, psoriatis, juvenile chronic carbitists. Adeposite are also produced as a result of chronic microbial infections (preferably leprossy, tuberculosis, bronchiectasis, decubitus culcers, chronic pyelonephritis, otberculosis, bronchiectasis, decubitus culcers, chronic pyelonephritis, otberculosis, bronchiectasis, desease).

Cortain malignant neoplasms can also result in AA fibril amyloid deposits cincluding Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cerebrovascular disease; cardiovascular disease; memory loss; anxiety; behavioural dysfunction; neurological condition; psychological condition; vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amyloid-beta, amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
amyloid-betective; cerebroprotective; haemostatic; ophthalmological;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
                                                                                                                              Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mid-to-moderate cognitive impairment; vascular dementia; cerebral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age-related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.6%; Score 28; DB 6; Length 6; 83.3%; Pred. No. 1.8e+06; ive 1; Mismatches 0; Indels
                                                         Kong X;
                                                         Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ37277 standard; peptide; 6 AA.
                                                                                                                                                                                      Claim 1; Page 59; 44pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83...
Lag 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Misc-difference 1. .6
                     (NEUR-) NEUROCHEM INC.
                                                         Gervais F, Hebert L,
                                                                                              WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADQ37277;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 25
```

ò

```
The present invention describes compositions (C) comprising: (a) a first a second agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidemimetic that a second agent (a2) that is: (i) a peptide or peptidemimetic that a second agent (a2) that is: (i) a peptide or peptidemimetic that conditates amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta planting (C): (C) have notetoic, neuroprotective, cerebroprotective, hasmostatic, condition and thyromotic activities, condition and can be used as amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating an amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating an amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating an amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating modulators (C) can percentain modulators and agentical disease (c) and can be used for preventing or treating modulators (C) amyloid-beta fibril formation modulators, and as immined the effect and adjopathy, hereditary cerebral hemorrhay, serior and can be used for anyloid-beta fibril formation (e.g. apathy, and and popathy, hereditary cerebral hemorrhay serior or a condition associated with Alzheimer's disease (including hypothyroidism, cerebral hemorrhay serior or a condition associated with Alzheimer's disease amyloid-beta anxiety, a behavioural dysfunction (e.g. apathy, assession, or incontination), and anyloid-beta anxiety, and adjosical condition (e.g. apathy, alsease, amyloit-ophic lateral alertness, attention deficit, frequent fallow and aparata, agnosia, pick disease, amyloid-beta allowed and aparata, agnosia, pick disease, deficits, incoordination, gall disturbance, translent alertness, attention deficit, frequent (c) and and anyloid precursor protei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure, Page 67; 143pp; English.
                                                                                     /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                           24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-543342/52.
                                                                                                                                                                                    WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6 AA;
                                               Modified-site
                                                                                                                                                                                                                                                                               15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F,
```

ö

Gaps

.; 0

96.6%; Score 28; DB 8; Length 6; 83.3%; Pred. No. 1.8e+06; rive 1; Mismatches 0; Indels

φ KIVFFA KWFFA

н

```
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ37329
$$$$$$$$$$$$$$$$$$$$$$$
                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease, and (b) as second agent (a2) that is: (i) a peptide or peptidonimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have corropic, neuroprotective, cerebroprotective, haemostatic, (C) have noctropic, neuroprotective, cerebroprotective, haemostatic, compathic, antichyroid, vasotropic, cardiovascular, tranquilliser, uropathic, anticonvulsant, antidepressant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, amyloid angiopathy, hereditary cerebral hemorrhage, senile dementia, amyloid angiopathy, hereditary cerebral hemorrhage, senile dementia, common's syndrome, inclusion body myositis, age-related macular conductance and properly and properly and properly and angiopathy, anxiety, a behavioural dysfunction (e.g. apathy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's aggression, or incontinence), a neurological condition (e.g. Huntington's
                                                                                                                                                                                               Amyloid-beta; amyloid-beta related disease;

mayloid-beta fibril formation; immune response; nootropic;

mayloid-beta fibril formation; immune response; nootropic;

metroprotective; cerebroprotective; haemostatic; ophthalmological;

mutithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

mutithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

mutithyroid; vasotropic; cardiovascular; neuroleptic;

kW anticonvulsant; antidepressant; endocrine; hypnotic;

myloid-beta fibril formation modulator; immune system modulator;

kW allzheimer's disease; mild cognitive impairment; vascular dementia;

kW mild-to-moderate cognitive impairment; vascular dementia;

kW senile dementia; Down's syndrome; inclusion body myositis;

myloid angiopathy; hereditary cerebral haemorrhage;

kW senile dementia; Down's syndrome; inclusion body myositis;

mage-related macular degeneration; hypothyroidism;

cerebrovascular disease; cardiovascular disease; memory loss; anxiety;

metals.

cerebrovascular degeneration; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta ralated disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                   Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 69; 143pp; English.
                                                              ADQ37321 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   vaccine antigen
                                                                                                                                07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                  ADQ37321;
                              RESULT 26
                                                4DQ37321
```

```
Parkingon's disease, applasia, aprazia, acquiera imminicationing, amyoring, anyoring, applasia, aprazia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual cital deficite, incordination, gait disturbance, transient ischaemic strack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural hematoma, brain tumour, posttraumatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions, illusion, hallucination, sexual disorder, weight loss, psychosis, a sleep of statubance, insomnia, behavioural disinhibition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; amyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposits. The present sequence represents a peptide that can be used as an antifibrillogenic amyloidosis inhibiting peptide in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cerebrovascular disease, cardiovascular disease; memory loss, anxiety;
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; cerebroprotective; haemostatic; ophthalmological;
antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer; disease; mild cognitive impairment;
mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
amyotrophic lateral sclerosis, acquired immunodeficiency,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 28; DB 8; Length 6;
Pred. No. 1.8e+06;
; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADQ37329 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-ĎEČ-2002, 2002US-0436379P.
23-JUN-2003, 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADQ37329;
```

Novel nucleic acid molecule antisense to nucleic acid sequence encoding prolamine, useful for reducing expression dose of protein in seed, and for producing transgenic plant, preferably rice plant having reduced

(NAAG-) NAT AGRIC & BIO-ORIENTED RES ORG.

WPI; 2004-525439/50.

Kuroda M;

N-PSDB; ADQ09760

20-DEC-2002; 2002JP-00369700. 09-DEC-2003; 2003WO-JP015753

08-JUL-2004.

Example 13; SEQ ID NO 117; 272pp; Japanese.

storage protein.

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) as a second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have nootropic, neuroprotective, cerebroprotective, haemostatic, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, outpathalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, neuroleptic, cardiant, antidepressant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral complexity anglopathy, hereditary cerebral haemorrhage, senile dementia, complete the syndrome, inclusion body myositis, age-related macular condition associated with Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          discusse, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, disease, anyotrophic lateral sclerosis, acquired immunodeficiency, Parkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual field deficits, incoordination, galt disturbance, transient ischaemic attack or stroke, transient alettness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural haematchoms, brain tumour, posttraamatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions, illusion, halluchantion, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinibition, poor insight, suicidal disturbance, insomnia, behavioural disinibition, poor insight, suicidal controlly and the service of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposits. The present sequence represents a peptide that can be used as an antifibitillogenic amyloidosis inhibiting peptide in the exemplification of the present invention.
                                                                                                    that prevents or treats amyloid-beta related disease and second agent
that is either a peptide or peptidomimetic or an immune system modulator.
                                                                Composition for treating e.g. Alzheimer's disease comprises first agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 28; DB 8; Length 6;
Pred. No. 1.8e+06;
; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            prolamine; rice; plant; seed; transgenic plant; signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rice 26kDa globulin signal sequence SEQ ID NO:117.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                        Disclosure, Page 70; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ09761 standard; peptide; 22 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
Query Match
Best Local Similarity 83.3%,
Best Local Similarity 83.3%,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-SEP-2004 (first entry)
WPI; 2004-543342/52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2004056993-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oryza sativa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ09761;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ09761
   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MXSXEXEXEXXXXX
```

```
The present invention describes a nucleic acid molecule (I) comprising a consecutive nucleic acid sequence (S1) of at least 15 bp in length and complementary with a nucleic acid sequence encoding a prolamine polypeptide or a nucleic acid sequence having a homology of at least bolypeptide or a nucleic acid sequence having about 70% homology to a nucleic acid sequence encoding a prolamine polypeptide and a nucleic acid sequence encoding a prolamine polypeptide and a nucleic acid sequence encoding a prolamine polypeptide; (2) a factor (II) capable of causing RNA interference of the gene sequence encoding a prolamine polypeptide; (3) a factor (II) capable of causing RNA interference of the gene sequence encoding a prolamine polypeptide; (3) a factor (II) capable of causing RNA interference (IV) comprising (I); (6) a plant cell (V) producing (III); (7) a plant tissue (VII) containing (I); (8) a vector (IV) comprising (I); (8) a plant (VIII) containing gene product of foreign gene produced by (VIII); (10) starch preparation produced from (VIII); and (II) a composition containing gene product of foreign gene produced from (VIII).

(I) is useful for decreasing the expression level of a protein in the seed of a plant, for expression of a natural protein in the seed of a plant involves providing (I) introducing (I) into the cell of the plant, radifferentiating the cell, producing a transgenic plant. And obtaining the seed from the transgenic plant, and obtaining the seed from the transgenic plant and of expression of expecting mobile encoding a foreign gene in the seed of a plant involves providing (I) and the mucleic acid molecule encoding a foreign gene product into cell of t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96.6%; Score 28; DB 8; Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. 17;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB05910 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 29
AAB05910
ID AAB05
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
셤
```

```
KIVFFA
                                                            WO2004016761-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2004016764-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 37 AA;
                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-FEB-2004.
                                                                                           26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL70727;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL7072
 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence is the calmodulin (CaM)-binding region of mouse inducible nitric oxide synthase (NOS). iNOS is one of three isoforms of the enzyme NOS, which synthesises nitric oxide from the amino acid L-arginine. The sequence is provided for comparison with endothelial nitric oxide synthase (eNOS). The threonine residue at position 495 of eNOS is phosphorylated by AMP-activated protein kinase (AMPK) in the absence of Ca2+-CaM. Phosphorylation results in inhibition of eNOS. In the presence of Ga2+-CaM, phosphorylation by AMPK occurs predominantly at Ser-1177 and treatment of ischaemic heart disease by promoting glucose and farty acid metabolism, and improving nutrient and oxygen supply to the myocytes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vasotropic; antiangiogenic; gene therapy; critical limb ischaemia; CLI; eNOS; endothelial nitric oxide synthase; angiogenesis; microvascular dysfunction; human; calmodulin binidng domain;
                                                                                                    endothelial nitric oxide synthase; eNOS; vasotropic; hypertensive;
AMP-activated protein kinase; AMPK; calmodulin; CaM;
eNOS phosphorylation; ischaemic heart disease; pulmonary hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                          activation of a nitric oxide synthase (NOS), for use in ischemic heart disease, comprises testing for the increase or decrease in phosphorylation of NOS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                         Mouse inducible nitric oxide synthase calmodulin-binding region.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Identifying modulators of AMP-activated protein kinase-mediated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                      Mitchelhill KI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 28; DB 3; Length 37; Pred. No. 28; 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human nNOS calmodulin binding domain peptide seqid 7.
                                                                                                                                                                                                                                                                                                                                                                     Michell BJ, Kemp BE,
                                                                                        inducible nitric oxide synthase; iNOS;
                                                                                                                                                                                                                                                                                                                                      (SVIN-) ST VINCENTS INST MEDICAL RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADK34080 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 4; Fig 5; 41pp; English.
                                                                                                                                                                                                                                                                           99WO-AU000968
                                                                                                                                                                                                                                                                                                          98AU-00006976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity 83.3%; 5; Conservative
                                                                                                                                                     obstructive airways disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  obstructive airways disease
                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                      Chen Z,
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-376583/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18 KWFFA 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 37 AA;
                                                                                                                                                                                                              WO200028076-A1.
                                                                                                                                                                                                                                                                                                                                                                      Stapleton DI,
                                                                                                                                                                                                                                                                           05-NOV-1999;
                                                                                                                                                                                                                                                                                                          06-NOV-1998;
                            16-OCT-2000
                                                                                                                                                                                                                                             18-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-MAY-2004
AAB05910;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADK34080;
                                                                                                                                                                                 Mus sp.
                                                                                         Mouse :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADK34080
```

셤

ò

```
mouse; endothelial nitric oxide synthase; eNOS; enzyme; mutant; calmodulin-binding domain; vasotropic; antiarteriosclerotic; hypotensive; antidiabetic; vulnerary; antilipsemic; ancrectic; reduced calcium dependence; ischaemia; atherosclerosis; hypertension; diabetes; Raynaud's phenomenon; poor wound healing; hyperlipidaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention describes a method of creating critical limb ischaemia (CLI) comprising administering to a patient a polymucleotide encoding a mammalian eNOS (endothelial nitric oxide synthase) polymeptide. Also described are: a method for treating angiogenesis by administering to a patient a polymucleotide encoding eNOS, and ameliorating microvascular dysfunction by administering to the patient the polymucleotide encoding the eNOS polypeptide. The method is useful for treating critical limb ischaemia or angiogenesis, or ameliorating a microvascular dysfunction. This is the amino acid sequence of a human neuronal nitric synthase (nNOS) calmodulin binding domain peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse iNOS calmodulin-binding site amino acid sequence SEQ ID NO:7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      administering to a patient a polynucleotide encoding a mammalian endothelial nitric oxide synthase (eNOS) polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating critical limb ischemia (CLI), or angiogenesis comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 28; DB 8; Length 37;
Pred. No. 28;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rubanyi G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; SEQ ID NO 7; 82pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL70727 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Qian HS,
                                                                                                                                                                                                                                                                                    15-AUG-2003; 2003WO-US025626.
                                                                                                                                                                                                                                                                                                                                                           16-AUG-2002; 2002US-0403637P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-AUG-2003; 2003WO-US025745.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-AUG-2002; 2002US-0403638P
neuronal nitric oxide; nNOS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dole WP, Kauser K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-203789/19.
                                                                                                                                                                                                                                                                                                                                                                                                                               (SCHD ) SCHERING AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:|||||
KVVFFA 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ø
```

us-10-009-122-1.rag

obesity

```
The present sequence is a polypeptide encoded by one of a large number of 5. ESTs derived from mRNAs encoding secreted proteins. The 5. ESTs were prepared from total human RNAs or polyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design expression and secretion vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; cytokine; cell proliferation; cell differentiation; gene therapy; vaccine; peptide therapy; stem cell growth factor; haematopoiesis; tissue growth factor; immunomodulatory; cancer; leukaemia; nervous system disorders; arthritis; inflammation.
                                                                                                                                                                                                                                                                                                                        New nucleic acid that is a 5' expressed sequence tag (5' EST) for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for diagnostic, forensic, gene therapy and chromosome mapping procedures.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 13; SEQ ID NO 6921; 71pp + Sequence Listing; English.
                                                                                                                                                                                        Duclert A, Giordano J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 28; DB 3;
Pred. No. 58;
; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAO11219 standard; protein; 175 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human polypeptide SEQ ID NO 25111.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tang YT, Liu C, Drmanac RT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-FEB-2001; 2001WO-US004927.
                         21-FEB-2000; 2000EP-00200610.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-FEB-2000; 2000US-00515126
18-MAY-2000; 2000US-00577409
                                                                            99US-0122487P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5; Conservative
                                                                                                                                                                                        Dumas Milne Edwards J,
                                                                                                                                                                                                                                              WPI; 2000-500381/45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                38 KVVFFA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                        N-PSDB; AAC02846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 77 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200164835-A2.
                                                                                                                                  (GEST ) GENSET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                               26-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-SEP-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AA011219;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AA011219
  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence represents the calmodulin-binding site of mouse iNOS amino acid sequence. The present invention describes endothelial nitric coxide synthase (eNOS) mutants having one or more mutations in an amino acid sequence corresponding to a functional domain of a mammalian eNOS.

At least one of the mutations is at a position corresponding to an amino acid sequence corresponding to a functional domain that is phosphorylated in mammalian cells, and not an amino acid substitution to Ala or Asp. Also described: (1) an isolated eNOS polypeptide mutant that is substantially commologous, or has a 95-94 sequence identity to the amino acid sequence of the novel eNOS polypeptide mutant; (2) an isolated polypuclocitie concoding the polypeptide mutant; (3) a recombinant vector comprising the polymetic operably linked to at least one regulatory sequence; (4) a plarmaceutical composition comprising the polypeptide mutant; (6) modulating eNOS activity in a cell by administering the polypeptide mutant or the polymetide mutant; (7) modulating eNOS activity in a cell by administering the polypeptide mutant or the polymetide mutant or the polymetide mutant or the polymetide mutant or the polymetide condition and (9) prophylactic and activity by administering the polymetide mutant or the polymetic of a patient with the polymucleotide, and detecting a level of eNOS activity by administering a condition associated with aberrant eNOS activity by administering a condition associated with aberrant eNOS activity by administering a condition associated with aberrant eNOS activity, antilipaemic and anorectic contivity by administering a condition associated with aberrant eNOS activity, antilipaemic and anorectic activity by administering a condition associated with aberrant eNOS activity. The eNOS mutant polymetide and mutant or polymetide mutant, polymetide and mutant or polymetide activity. The eNOS mutant, polymetide and mutant or polymetide activity or activity andiabancial archaecting a condition associated activity and ac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                            New isolated endothelial nitric oxide synthase polypeptide mutant, useful for diagnosing or treating ischemia, atherosclerosis, hypertension, diabetes, Raynaud's phenomenon, poor wound healing, hyperlipidemia or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               activity, e.g. ischaemia, atherosclerosis, hypertension, diabetes,
Raynaud's phenomenon, poor wound healing, hyperlipidaemia or obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 28; DB 8; Length 37;
Pred. No. 28;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted protein, SEQ ID NO: 6921,
                                                                                                                                                                                                                                                                                                    Example 1; SEQ ID NO 7; 57pp; English.
                                                     Parkinson J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAG02840 standard; protein; 77 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5; Conservative
                                                     Blasko E, Kauser K,
(SCHD ) SCHERING AG
                                                                                                         WPI; 2004-203792/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18 KVVFFA 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EP1033401-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-OCT-2000
```

06-SEP-2000

AAG02840;

RESULT 32

g ò

ö

Gaps ö

Length 77; 0; Indels us-10-009-122-1.rag

```
Claim 15; SEQ ID NO 228; 130pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC07948;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 35
    XXXUUUUU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New plant genes encoding polypeptides having an activity involved in or associated with the synthesis, metabolism or degradation of carbohydrates in the plant grain useful in generating plants having improved nutritional properties.
                                                                 Isolated nucleic acids and polypeptides, useful for preventing diagnosing and treating e.g. leukemia, inflammation and immune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      plant biotechnology; carbohydrate synthesis; carbohydrate metabolism;
carbohydrate degradation; carbohydrate, plant grain; grain filling; corn;
tomato; banana; canola; cotton; peanut; sorghum; tobaco; sugarbeet;
wheat; rice; protein; oil; starch; fibre; moisture content; cereal grain;
                                                                                                                                                                           The invention relates to human polynucleotides (AAI79941-AAI93841) and the encoded proteins (AA000010-AA013910) that exhibit activity elating to ytyckine, cell proliferation or cell differentiation or which may induce production of other cytckines in other cell populations. The polynucleotides and polypeptides are useful in gene therapy, vaccines or peptide therapy. The polypeptides have various cytckine-like activities, e.g. stem cell growth factor activity, immunomodulatory activity and activity, tissue growth factor activity, immunomodulatory activity and activin/inhibin activity and may be useful in the diagnosis and/or treatment of cancer, leukaemia, nervous system disorders, arthritis and inflammation. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Moughamer T;
Ricke D;
                                                                                                                                       Claim 20; SEQ ID NO 25111; 1399pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         96.6%; Score 28; DB 4; Length 175; 83.3%; Pred. No. 1.3e+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rice protein sequence Seq ID228 related to grain filling.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cooper B, Goff SA,
Kreps J, Provart N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC07962 standard; protein; 186 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SYGN ) SYNGENTA PARTICIPATIONS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-JUN-2001; 2001US-0300112P.
26-SEP-2001; 2001US-0325277P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-JUN-2002; 2002WO-IB002450.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-DEC-2001; 2001US-0342327P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W, Briggs S,
Katagiri F, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-229341/22.
  WPI; 2001-514838/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   128 KWYFFA 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                     N-PSDB; AAI91150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cheng W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N-PSDB; ADC07961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 175 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003000905-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ds; plant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Glazebrook J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oryza sativa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zhu T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC07962
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THE STANDARD STANDARD
```

```
This invention, in the area of plant biotechnology, relates to novel polynucleotides comprising a nucleotide sequence encoding a protein which is involved in or associated with the synthesis, metabolism or degradation of carbohydrates in the plant grain and the expression of which is up-regulated during grain filling. The plant is selected from corn, tomato, banana, canola, cotton, peanut, sorghum, tobacco, may augarbeet, wheat, and rice. The invention may be useful for the improvement of protein, oil, starch, fibre and moisture content of the cereal grains. In addition, carbohydrate levels may be modified to a more desirable level using the present invention. The present sequence is the sequence of a rice protein of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   plant biotechnology; carbohydrate synthesis; carbohydrate metabolism;
carbohydrate degradation; carbohydrate; plant grain; grain filling; corn;
tomato; banana; canola; cotton; peanut; sorghum; tobacco; sugarbeet;
wheat; rice; protein; oil; starch; fibre; moisture content; cereal grain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New plant genes encoding polypeptides having an activity involved in or associated with the synthesis, metabolism or degradation of carbohydrates in the plant grain useful in generating plants having improved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention, in the area of plant biotechnology, relates to novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Moughamer T;
Ricke D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 28; DB 7; Length 186; Pred. No. 1.4e+02; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rice protein sequence Seq ID214 related to grain filling.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cooper B, Goff SA,
Kreps J, Provart N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          at ftp.wipo.int/pub/publishedpct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 15; SEQ ID NO 214; 130pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SYGN ) SYNGENTA PARTICIPATIONS AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC07948 standard; protein; 186 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-JUN-2001; 2001US-0300112P.
26-SEP-2001; 2001US-0325277P.
20-DEC-2001; 2001US-0342327P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-JUN-2002; 2002WO-IB002450.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zhu T, Cheng W, Briggs S,
Glazebrook J, Katagiri F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-DEC-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nutritional properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2003-229341/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:||||
KVVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N-PSDB; ADC07947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 186 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003000905-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gene; ds; plant.
```

```
polynucleotides comprising a nucleotide sequence encoding a protein which is involved in or associated with the synthesis, metabolism or degradation of carbohydrates in the plant grain and the expression of which is up-regulated during grain [11] in the plant is selected from corn, tomato, banana, canola, cotton, peanut, sorghum, tobacco, sugarbeet, wheat, and rice. The invention may be useful for the improvement of protein, oil, starch, fibre and moisture content of the cereal grains. In addition, carbohydrate levels may be modified to a more desirable level using the present invention. The present sequence is the anno acid sequence of a rice protein of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fit, wipo.int/pub/publishedpct_sequences.
                                                                                                                                                                                                                                                                                                                    Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis.
                                                                                                                                                                   Gaps
                                                                                                                                              96.6%; Score 28; DB 7; Length 186; 83.3%; Pred. No. 1.4e+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                    Human immune/haematopoietic antigen SEQ ID NO:11385
                                                                                                                                                                                                                                                 AAM83792 standard; protein; 190 AA
                                                                                                                                                                                                                                                                                                                                                                                                                     2000US-0179065P.
2000US-0180628P.
2000US-0184664P.
2000US-0186350P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       2000US-0189874P
2000US-0190U76P
2000US-0198123P
2000US-020515P
2000US-020467P
2000US-021486FP
2000US-021486FP
2000US-021486FP
2000US-021486FP
2000US-021486PP
2000US-021486PP
2000US-0217480P
2000US-0217480P
                                                                                                                                                                                                                                                                                                                                                                                                     17-JAN-2001; 2001WO-US001354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2000US-0220964P
                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                   5; Conservative
                                                                                                                                                Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                KWFFA
                                                                                                                                Sequence 186 AA;
                                                                                                                                                                                                                                                                                                                                                                   WO200157182-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-MAR-2000; 2
17-MAR-2000; 2
18-APR-2000; 2
19-MAY-2000; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-AUG-2000; 2
14-AUG-2000; 2
14-AUG-2000; 2
                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                    07-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                    09-AUG-2001
                                                                                                                                                                                                                                                                   AAM83792;
                                                                                                                                                                                                                              RESULT 36
AAM83792
                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                     셤
```

PR 14-AUG-2000; 2000US-022575PP.
PR 14-AUG-2000; 2000US-022575PP.
PR 22-AUG-2000; 2000US-022675PP.
PR 22-AUG-2000; 2000US-022675PP.
PR 22-AUG-2000; 2000US-022668PP.
PR 22-AUG-2000; 2000US-022668PP.
PR 22-AUG-2000; 2000US-0229824PP.
PR 01-SEP-2000; 2000US-0229344PP.
PR 01-SEP-2000; 2000US-023343PP.
PR 01-SEP-2000; 2000US-0233308PP.
PR 14-SEP-2000; 2000US-0233308PP.
PR 21-SEP-2000; 20

ઠે 셤

us-10-009-122-1.rag

```
AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (1) and acid sequences given in AAM82170 to AAM91921. (I) have cytostatic activity, and can be used in gene therapy and vaccine production. (1) proteins and polynucleotides may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate (I) expression. For example, they may be used to treat disorders associated with decreased expression by rectifying mutations or deletions in a patient's genome expression by rectifying mutations or deletions in a patient's genome cupplement the patients own production of (1). Additionally, (I) polynucleotides may be used to produce the secreted (I), by inserting the patients own production of (1). Additionally, (I) polynucleotides may be used to produce the secreted (I), by inserting the protein. (I) proteins and polynucleotides may be used to prevent, chagnose and treat immune/haematopoietic-related diseases, especially cancers and cancer metastases of haematopoietic antigen genomic exquences from the present invention. AAK84992 to AAK84950 and AAM82169 represent theman immune/haematopoietic antigen genomic sequences from the present invention. AAK84921 co AAK84950 and AAM82169 represent invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic acids encoding human immune/hematopoietic antigen polypeptides, useful for preventing, diagnosing and/or treating cancers and metastasis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 11; SEQ ID NO 11385; 3071pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 28; DB 4; Length 190;
Pred. No. 1.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ruben SM
                                                                                           2000US - 0246613P.
2000US - 024920P.
2000US - 024920P.
2000US - 0249210P.
2000US - 0249211P.
2000US - 0249212P.
2000US - 0249212P.
2000US - 0249213P.
2000US - 0249214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           000US-0249245P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2000US-0251479P.
2000US-0251856P.
2000US-0251868P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .000US-0249244P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2000US-0249300P.
2000US-0250160P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2000US-0251988P.
2000US-0256719P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2000US-0249297P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000US-0250391P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2000US-0249265P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2000US-0251869P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2000US-0251990P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JAN-2001; 2001US-0259678P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Barash SC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-483426/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 190 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N-PSDB; AAK56573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .7-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rosen CA,
0 \times 0 0 \times 0 \times
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16176-ABL30511), expressed DNA ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell interactions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                            Drosophila, developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 12723; 21pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 28; DB 4; Length 564;
Pred. No. 4.2e+02;
1; Mismatches 0; Indels
                                                                                                Drosophila melanogaster polypeptide SEQ ID NO 12723.
                                                                                                                                                                                                                                                                                                                                                            Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human protein sequence #1677.
              ABB61977 standard; protein; 564 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ66704 standard; protein; 854 AA
                                                                                                                                                                                                                                                                                                                                                           Li PWD,
                                                                                                                                                                                                                                                                                     23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         96.6%;
                                                                                                                                                                                                                                                         23-MAR-2001; 2001WO-US009231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-OCT-2004 (first entry)
                                                                     26-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.5.
5, Conservative
                                                                                                                                                                      Drosophila melanogaster.
                                                                                                                                                                                                                                                                                                                                                            Adams M,
                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-656860/75.
N-PSDB; ABL06080.
                                                                                                                                                                                                                                                                                                                               (PEKE ) PE CORP NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||:|||
KIIFFA 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 564 AA;
                                                                                                                                             pharmaceutical
                                                                                                                                                                                                  WO200171042-A2
                                                                                                                                                                                                                              27-SEP-2001.
                                                                                                                                                                                                                                                                                                                                                         Venter JC,
                                           ABB61977;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ66704;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ66704
ABB61977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
```

ö

Gaps ; 0 (INCY-) INCYTE CORP

```
.
0
                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to 2495 novel polynuclectides (I) and their encoded polypeptides, sequences hybridizing to these nuclectides, sequences encoding partial polypeptides and sequences having 70% to 30% identity to the nucleotide and protein sequences. The nucleotides and polypeptides are useful as diagnostic markers or therapeutic target for the diseases or morbid states. They are also useful for treating osteoporosis, neurological diseases, Alzheimer's diseases, Parkinson's diseases, dementia and various cancers. This sequence corresponds to a protein sequence of the invention.
          osteopathic, neuroprotective, nootropic, antiparkinsonian, cytostatic, gene therapy, diagnostic marker, morbid state, osteoporosis, neurological disease, Alzheimer's disease, Parkinson's disease, dementia,
                                                                                                                                                                                                                                                                                                                                                     Novel 2495 cDNA, useful for treating osteoporosis, neurological diseases.
Alzheimer's diseases, Parkinson's diseases, dementia and various cancers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene therapy; human diagnostic and therapeutic polynucleotide; dithp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                  Ishii S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 28; DB 8; Length 854;
Pred. No. 6.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                  Sato H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human diagnostic and therapeutic pprotein SEQ ID NO:3501
                                                                                                                                                                                                                                                                   Wakamatsu A,
                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID NO 3865; 2449pp; English.
                                                                                                                                                                                                                                                                                  Irie R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ä.
                                                                                                                                                                                                                                                                  Otsuki T,
Nagai K, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM83252 standard; protein; 922
                                                                                                                                                                                                                                       (REAS-) RES ASSOC BIOTECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-SEP-2002; 2002US-0410259P.
                                                                                                                                                                                            21-JAN-2003; 2003JP-00102206.
09-MAY-2003; 2003JP-00131392.
                                                                                                                                                                    21-JAN-2004; 2004EP-00001196.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-SEP-2003; 2003WO-US028227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                  Sugiyama T,
, Isono Y,
                                                                                                                                                                                                                                                                                                             WPI; 2004-535376/52.
N-PSDB; ADQ64516.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  221 KVVFFA 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 854 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                    Homo sapiens
                                                                                                             EP1440981-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2004
                                                                                                                                                                                                                                                                                  Yamamoto J,
                                                                                                                                         28-JUL-2004
                                                                                                                                                                                                                                                                   Isogai T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM83252;
                                                        cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 39
à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  요
```

```
The invention relates to novel diagnostic and therapeutic polynucleotides selected from one of the 2722 sequences defined in the specification. A selected from one of the 2722 sequences defined in the specification. A diagnostic and therapeutic polynucleotides (dithp) or polypeptides may be used to diagnostic and therapeutic polynucleotides (dithp) or polypeptides may be used to diagnostic and invention molecules, e.g. cell proliferative disorders, endocrine attoinmune/inflammatory disorder, developmental disorders, or disorder, neurological disorders, gastrointestinal disorders, or infections caused by virus, bacteria, fungi or parasite. The dithp concleus may also be used in genetic ampping, in identifying individuals from minute biological samples, in detecting single nucleotide polymorphisms, as molecular weight markers, and for somatic or germline colymorphisms, as molecular weight markers, and for somatic or germline colymorphisms, as equence data for this patent is not represented in very the printed specification, but was obtained in electronic format directly from WIPO at www.wipo.int/pct/en/sequences/listing.htm
                                                                                                                                                                              ä
                                                                                                                                                                                                                                                                                                  New diagnostic and therapeutic polynucleotides and polypeptides, useful in diagnosing a condition, disease or disorder associated with human molecules, e.g. autoimmune or inflammatory disorders, in gene therapy or
                                                 Schmidt JP, Wright RJ, Bruns CM, Marjanovic MM, Shen F;
Harthshorne TA, Suchorolski MT, Altus CM, Pitts SJ, Elder LV;
Mooney EM, Delegeane AM, Panesar IS, Banville SC, Reddy TP;
Stevens KA, Blanchard JL, Panezer SK, Wang X, Au AP, Gerstin EH;
Peralta CH, Anderson SB, Rioux P, Shen EJ, Wu MC, Stuve LL;
Lagace RE, Spiro PA, Stewart EA, Wingrove J, Vitt UA, Kirton ES;
Xu Y, Kwong M, Policky JL, Hurwitz BL, Ma Y, Jackson JL, Gietzen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cell receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 receptor-ligand interaction; cytostatic; chondrocyte; tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human, PRO; membrane bound protein, membrane bound receptor; cell prollferation; cell differentiation; mitogenic factor; auryinal factor; cytotoxic factor; alliferentiation factor; neuropeptide; hormone; cell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 28; DB 8; Length 922;
Pred. No. 6.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmembrane protein SegID 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADF76335 standard; protein; 925 AA.
                                                                                                                                                                                                                                                                                                                                                                                                              Claim 27; Page; 190pp; English.
                                                                                                                                                                                  Xu Y, Kwong M, Policky JL,
Patury S, Shi X, Suarez CJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-FEB-2003; 2003WO-US005241.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-FEB-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5; Conservative
                                                                                                                                                                                                                                            WPI; 2004-329368/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      291 KWYFFA 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                                                                                    N-PSDB; ACN41904.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 922 AA;
                                                                                                                                                                                                                                                                                                                                                                         gene mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003072035-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADF76335;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF76335
                                                                                                                                                                                                                                                                                                                                                                         ᇊ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      d
```

```
23-OCT-2003.
   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                This invention relates to novel nucleic acids encoding human PRO secreted and transmembrane proteins. Extracellular proteins play important roles on the formation, differentiation and maintenance of mulicellular corganisms. The fate of many individual cells (for example proliferation, corganisms. The fate of many individual cells (for example proliferation, corganisms. The fate of many individual cells (for example proliferation, corganisms. The information is trypically governed by information is order transmitted by secreted polypeptides (for example mitogenic conservation is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cyctocoxic factors, differentiation factors, cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as pharmaceutical and diagnostic agents, such as in the blocking of receptor-ligand inheractions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins of the invention may have cytostatic activities through the stimulation of chondrocytes. The nucleic acids of the invention may be useful for the manifacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the expression of a tumour associated gene. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     mitochondrial; human; screening assay; diabetes mellitus;
huntington's disease; osteoarthritus;
Leber's hereditary optic neuropathy; LHON;
mitochondrial encephalopathy lactic acidosis and stroke; MELAS;
mycolonic epilepsy ragged red fibre syndrome; MERRF; cancer;
neuroprotective; nootropic; antidiabetic; anticonvulsant; antiarthritic;
osteopathic; ophthalmological; cytostatic.
                                                                                                                                                                New PRO polypeptides, useful for diagnosing and treating an immune related disorder, e.g. systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, thyroiditis or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human heat mitochondrial protein as a therapeutic target SeqID2031.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
                                                                            Schoenfeld JR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96.6%; Score 28; DB 7; Length 925; 83.3%; Pred. No. 6.9e+02; rive 1; Mismatches 0; Indels
                                                                        Jackman JK,
                                                                                                                                                                                                                                          Claim 10; SEQ ID NO 8; 918pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADJ70225 standard; protein; 925 AA.
                                                                        Hunte B,
Wu TD;
               22-FEB-2002; 2002US-0359461P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 83.3
nes 5; Conservative
                                                                                       Wood WI,
                                          (GETH ) GENENTECH INC
                                                                        Clark H,
                                                                                                                     WPI; 2003-721702/68.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     292 KWFFA 297
                                                                                                                                                                                                               diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KIVFFA 6
                                                                                                                                     N-PSDB; ADF76334.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 925 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003087768-A2.
                                                                       Bodary SC, C
Williams PM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADJ70225;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ70225
```

```
This invention relates to novel mitochondrial targets that can be used for therapeutic intervention in treating a disease associated with alternamic chondrial function. Specifically, it refers to a method for identifying proteins of the human heart mitochondrial proteome that are useful for drug screening assays, as well as therapeutic targets. The present invention describes a method for identifying such proteins that can be used in the treatment of various diseases associated with altered mitochondrial function including diabetes mellitus, Huntington's disease, osteoarthritis, Leber's hereditary optic neuropathy (LHON), mitochondrial composition and stroke (MELAS), myoclonic epilepsy ragged red fibre syndrome (MERRP) or cancer. Accordingly, these compositions have neuroprotective, nootropic, antidiabetic, anticonvulsant, antiarthritic, osteopathic, ophthalmological and cytostatic activities. This polypeptide sequence is a human heart mitochondrial protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       bronchial asthma; chronic obstructive pulmonary disease;
respiratory epithelial cell; interleukin-13; respiratory; antiasthmatic;
                                                                                                                                                                                                                                                                                                                                                    Identifying a mitochondrial target for drug screening assays and for treating diseases associated with altered mitochondrial function, comprises detecting a modified polypeptide in a sample and correlating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                             Glenn GM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 28; DB 7; Length 925;
Pred. No. 6.9e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                             Taylor SW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Marker gene related amino acid sequence SEQ ID NO:680.
                                                                                                                                                                                                                             Gibson BW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID NO 2031; 180pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADJ75428 standard; protein; 925 AA
                                                                                                                                                                                                                             Fahy ED, Zhang B,
                                               12-APR-2002; 2002US-0372843P.
17-JUN-2002; 2002US-0389987P.
20-SEP-2002; 2002US-0412418P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96.6%;
04-APR-2003; 2003WO-US010870.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-AUG-2003; 2003EP-00254857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-AUG-2002; 2002JP-00229312
                                                                                                                                                 (MITO-) MITOKOR.
(BUCK-) BUCK INST AGE RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gene therapy; marker.
                                                                                                                                                                                                                                                                                                       WPI; 2003-845369/78.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                292 KWYFFA 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                   with the disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 925 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EP1394274-A2.
                                                                                                                                                                                                                        Ghosh SS, F
Warnock DE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             03-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADJ75428;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
```

Testing for bronchial asthma or chronic obstructive pulmonary disease by comparing the expression level of a marker gene in a biological sample from a subject with the expression level of the gene in a sample from a

Example 11; SEQ ID NO 747; 241pp; English.

nealthy subject.

Izuhara K;

Nagai H,

Kubo H,

Yamaya M,

Sugita Y,

Ohtani N,

WPI; 2004-193155/19.

06-AUG-2002; 2002JP-00229312. 20-MAR-2003; 2003JP-00077212. 04-AUG-2003; 2003EP-00254857

Izuhara K;

03-MAR-2004

(GENO-) GENOX RES INC

```
The present invention describes a method of testing for bronchial asthma or chronic obstructive pulmonary disease. The method comprises determining the expression level of a marker gene in a biological sample from a subject, comparing the expression level determined with the expression level of the marker gene comprises from a healthy subject, and judging whether the subject has bronchial sample from a healthy subject, and judging whether the subject has bronchial sample from a healthy subject, and judging whether the subject has bronchial sample from a healthy cells are stimulated with interleukin-13; or (b) a group of genes (S1) whose expression levels increase when respiratory epithelial cells are trimulated with interleukin-13; or (b) a group of genes (S2) whose expression levels descrasse when respiratory epithelial cells are trimulated with interleukin-13. Also described: (1) a reagent (1) for testing for bronchial asthma or chronic obstructive pulmonary disease; (3) an animal model for bronchial asthma or chronic obstructive pulmonary disease; (3) an animal model for bronchial asthma or chronic obstructive pulmonary disease; (5) a method for producing an animal model for bronchial asthma or chronic obstructive pulmonary disease, (5) a therapeutic agent for bronchial asthma or chronic obstructive pulmonary disease, (6) a therapeutic agent for bronchial asthma or chronic obstructive pulmonary disease, comprising the compound, a marker gene or an antisense nucleic acid corresponding to a portion of the marker gene, a ribozyme, a polynucleotide that suppresses the expression of the gene through an RNAi effect or an antibody recognising a protein encoded by a marker gene; and (7) a protein encoded by a marker gene; and (7) a protein encoded by a marker gene; and man and (7) a marker gene. (1) has respiratory and antiasthmatic activities and can be used in gene therapy. The method is an antisense therapeutic for promoterine that experiently for the compound the protein encoded by a marker gene, and can be a pe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and antiasthmatic activities, and can be used in gene therapy. The method is useful for testing for or screening for a therapeutic agent for bronchial asthma or chronic obstructive pulmonary disease. The present sequence is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             asthma; chronic obstructive pulmonary disease;
ry epithelial cell; interleukin-13; respiratory; antiasthmatic;
                                                                                                                                                                                      ing for bronchial asthma or chronic obstructive pulmonary disease by arring the expression level of a marker gene in a biological sample a subject with the expression level of the gene in a sample from a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 28; DB 8; Length 925;
Pred. No. 6.9e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Marker gene related amino acid sequence SEQ ID NO:747.
                                                                                             Kubo H, Nagai H,
                                                                                                                                                                                                                                                                                                                  Example 11; SEQ ID NO 680; 241pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADJ75495 standard; protein; 925 AA.
                                                                                                Yamaya M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96.6%;
83.3%;
20-MAR-2003; 2003JP-00077212.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Conservative
                                                                                             Sugita Y,
                                                (GENO-) GENOX RES INC
                                                                                                                                                WPI; 2004-193155/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1:||||
292 KVVFFA 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 925 AA;
                                                                                                                                                                                                                                                                       healthy subject.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAY-2004
                                                                                                                                                                                                Testing for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bronchial
                                                                                                Ohtani N,
                                                                                                                                                                                                                                              from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 43
     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
correpresent invention describes a method of resting to be between the present invention describes a method of comprises determining the expression level of a marker gene in a biological sample from a subject, comparing the expression level determined with the expression level of the marker gene in a biological sample from a beathy comprised to the marker gene in a biological sample from a healthy complexer, and judging whether the subject has bronchial asthma or chronic obstructive pulmonary disease. The marker gene comprises: (a) a group of genes (S1) whose expression levels increase when respiratory epithelial cells are stimulated with interleukin-13; or (b) a group of genes (S2) whose expression levels decrease when respiratory epithelial cells are stimulated with interleukin-13. Also described: (1) a reagent (1) for testing for bronchial asthma or chronic obstructive pulmonary disease; (2) a kit for screening for a candidate compound for a therapeutic agent corresponding to an animal model for bronchial asthma or chronic obstructive pulmonary disease; (4) an inducer that induces bronchial asthma in a mouse; (5) a marker gene or an animal model for bronchial asthma or chronic obstructive pulmonary disease, comprising the compound, a sthma or chronic obstructive pulmonary disease, comprising to a portion of the marker gene or an antisense, number of corresponding to a portion of expression of the gene through an RNAi effect or an antibody recognising corresponding asthma or a chronic obstructive pulmonary disease, on which a probe has been immobilised to assay a marker gene; and (7) a DNA chip for testing for corresponding to a portion of the probable asthma or a chronic obstructive pulmonary disease, numbered and antiasthmate activities, and can be used in gene therapeutic agent for bronchial asthma or chronic obstructive pulmonary disease. The present compounding that a stranger or an antiabely of the gene in a constitution of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                    present invention describes a method of testing for bronchial asthma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 925;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antipsoriatic; gene therapy; psoriasis; diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 28; DB 8; I
Pred. No. 6.9e+02;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antipsoriatic protein sequence #610.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADN04860 standard; protein; 925 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUL-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               292 KWYFFA 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ġ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 925 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADN04860;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADN04860
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           **********
```

ö

Gaps

ö

gene therapy; marker.

Homo sapiens EP1394274-A2

Carman J;

Feder JN,

Neubauer MG,

us-10-009-122-1.rag

```
(BRIM ) BRISTOL-MYERS SQUIBB CO.
                                     13-JAN-2004; 2004WO-US000798
                                                             14-JAN-2003; 2003US-0440068P.
12-MAY-2003; 2003US-0469757P.
              05-AUG-2004.
                                                                                                                          Nadler SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADP2501
 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ద
                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aberrant acute phase response; hypercongenital condition; birth defect; necrotic lesion; wound; organ transplant rejection; aberrant signal transduction; proliferating disorder; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NP-kappab pathway; antiinflammatory; cytostatic; hepatotropic; virucide; antiarthritic; antirheumatic; gastrointestinal-Gen; antiasthmatic; antiarteriosclerotic; immunomodulator; cerebroprotective; vasotropic; immunosupplessive; vulnerapy; immune disorder; inflammatory disorder; NP-kapy gene therapy; immune disorder; inflammatory disorder; NP-kapy gene therapy; immune disorder; hopering disorder; NP-kapy gene therapy; immune disorder; hopering disorder; NP-kapy gene therapy; immune disorder; hopering disorder; hopering disorder; hopering displasia; viral infection; HIV-1; HTLV-1; hepatitis B; hepatitis C; EBV; influenza; viral infection; hort call survival; evasion of immune response; rheumatoid arthritis; inflammatory bowel disease; colitis; asthma; attempre disorder; hyper immune activity;
                                                                                                                                                                                                                                                                                                               The invention relates to novel polynucleotide and polypeptides for treating psoriasis or a sequence having at least 80% identity to the above sequences. The nucleic acid is useful for preparing a composition for diagnosing or treating psoriasis in a mammal. This sequence corresponds to one of the polypeptides of the invention.
                                                                                                                                                               Schoenfeld J, Williams PM, Wood WI;
                                                                                                                                                                                                                                    New PRO nucleic acid or polypeptide, useful for preparing a pharmaceutical composition for diagnosing or treating psoriasis in a
                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                            ó,
                                                                                                                                                                                                                                                                                                                                                                                                                 Score 28; DB 8; Length 925;
Pred. No. 6.9e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human NF-kappaB pathway-associated protein SeqID234.
                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
                                                                                                                                                                                                                                                                                       Claim 9; SEQ ID NO 1254; 3069pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADR14233 standard; protein; 925 AA.
                                                                                                                                                               Bodary S; Clark H, Jackman J,
                                                                                     25-SEP-2003; 2003WO-US030907.
                                                                                                                                                                                                                                                                                                                                                                                                                  96.6%;
                                                                                                            25-SEP-2002; 2002US-0414006P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                           5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HIV propagation; human
                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                 WPI; 2004-305105/28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |:||||
292 KWVFFA 297
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                               N-PSDB; ADN04859
                                    WO2004028479-A2.
                                                                                                                                                                                                                                                                                                                                                                                         Sequence 925 AA;
             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ношо варіепв
                                                             08-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADR14233;
                                                                                                                                                                                                                                                                 mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADR14233
ID ADR
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
```

```
This invention relates to the novel association of protein sequences (and the genes which encode them) to the NF-kappaB pathway. The invention may be useful for the production of compounds with an antininflammatory, cytostatic, hepatotropic, virucide, antiarteriosclerotic, antiarteriosclerotic, cytostatic, hepatotropic, virucide, antiarteriosclerotic, antiarteriosclerotic, immunomodulator, cerborotective, vasotropic, immunosuppressive or vulnerary activity or for gene therapy. The proteins and nucleotides are useful for diagnosing, preventing, treating, or ameliorating conditions or diseases associated with the NF-kappaB pathway. The condition is an immunomed specific will also an inflammatory disorder. In inflammatory disorder in inflammatory disorder. An inflammatory disorder in inflammatory disorder in inflammatory disorder in inflammatory disorders. All the specific ectodermal dysplasia, X-linked anhidrotic cetodermal dysplasia, X-linked anhidrotic cetodermal dysplasia, immunodeficiency, viral infection, host cell cetodermal dysplasia, viral replication, host cell cetodermal dysplasia, viral replication, host cell cetodermal dysplasia, viral replication, sick bowel disease, colitis asthma, atherosclerosis, cachexia, euthyroid sick syndrome, stroke, EAE, autoimmune disorders, disorders related to hyper immune activity, disorders related to aberrant acute phase responses, hypercongenital conditions, birth defects, necetic seconds in cells infected organ transplant rejection, conditions related to organ transplant conditions prelated to organ transplant conditions, birth defects, necetic seconds disorders, cancers and HIV propagation in cells infected with other viruses. The present sequence is that of a human protein which is subject to the novel association with the NP-kappaB pathway of the inventor of the province of the papear in the specification but
                                                                                                              New isolated polynucleotides and polypeptides associated with NF-kappaB pathway, useful for diagnosing, treating, or preventing disorders or diseases associated with NF-kappaB pathway.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO; antiinflammatory; antiarthritic; antirheumatic; immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       osteopathic, antidiabetic; dermatological; antipsoriatic; antiallergic; antiasthmatic; hepatotropic; respiratory; gene therapy; immune system.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 28; DB 8; Length 925;
Pred. No. 6.9e+02;
L; Mismatches 0; IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 was obtained by the indexer from Genbank.
                                                                                                                                                                                                                                                                 Claim 6; SEQ ID NO 234; 237pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADP25011 standard; protein; 925 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96.6%; Scor.
83.3%; Pred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO polypeptide SEQ ID NO:2189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
WPI; 2004-562168/54.
N-PSDB; ADR14232.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KVVFFA 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 925 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADP25011;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MARKEX BX SX S
```

ö

WO2004065577-A2.

human; enzyme; apoptosis; cancer; inflammation; autoimmune; neurodegenerative disorder; cytostatic; antiinflammatory; immunosuppressive; neuroprotective; gene therapy; RIG-I-DEAD/H box.

Human RIG-I-DEAD/H box protein, an apoptosis related target Seq

```
cosinophilic pneumonia, idiopathic pulmonary fibrosis, hypersensitivity pneumonitis, a transplantation associated disease, graft rejection or graft-versus-host disease. The present sequence represents a PRO protein
                                                                                                                                                 New PRO polypeptides and polynucleotides, useful for treating e.g. erythematosus, rheumatoid arthritis, diabetes mellitus, immune-mediated renal disease, or demyelinating diseases of the central or peripheral
                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 28; DB 8; Length 925;
Pred. No. 6.9e+02;
1; Mismatches 0; Indels
                                                                                                  Clark H, Schoenfeld J, Van Lookeren M, Williams PM,
                                                                                                                                                                                          Claim 7; SEQ ID NO 2189; 2940pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   96.68;
                                                      30-OCT-2003; 2003WO-US034312.
                                                                     01-NOV-2002; 2002US-0423394P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Conservative
                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  292 KWYFFA 297
                                                                                                                             WPI; 2004-419628/39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                     the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 925 AA;
                                                                                                                                     N-PSDB; ADP25010
                       WO2004041170-A2.
                                                                                                                                                                             nervous system
       Unidentified.
                                       21-MAY-2004.
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
```

Identifying an agent that modulates the function of an apoptosis-associated polypeptide, useful for diagnosing or treating e.g. cancer, comprises comparing the binding of the polypeptide to the candidate agent

to a control agent.

Seera L;

Hayes I,

₽,

Keating

Sheehan DE,

Murphy FJ,

WPI; 2004-662402/64.

N-PSDB; ADR97293.

(EIRX-) BIRX THERAPEUTICS LTD

05-MAR-2004; 2004WO-GB000957. 07-MAR-2003; 2003GB-00005267.

Wood WI;

WO2004078783-A2. Homo sapiens

L6-SEP-2004

```
This invention relates to novel agents that modulates the function of human apoptosis-associated proteins specified within the specification. C human apoptosis-associated proteins specified within the specification. Specifically, it refers to a method for the identification of target can associated with an early stage in the certains of apoptosis. The present invention describes a method of regulation of apoptosis. The present invention describes a method of contacting either candidate agents or control agents to the target genes and assessing the difference of binding and inhibitory activity, where the candidate agent is selected from a low molecular weight organic molecule, an antibody or fragment thereof, an antisense oligonucleotide, a small inhibitory dsRNA, or a ribozyme. As such, the compositions and methods are useful for diagnosing and treating diseases or conditions associated with abnormal apoptosis in mammalian tissue, such as cancer, inflammation, autoimmune or neurodegenerative disorders. Accordingly, they exhibit cytostatic, antiinflammatory, immunosuppressive and control of protective activities. These may also be used for drug screening protein, an enzyme associated with the regulation of apoptosis whose cyce expression is modulated by novel agents of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nitrogen monoxide synthase; inducible; treatment; prevention; vascular disease; restenosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 925;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96.6%; Score 28; DB 8; Length 925
83.3%; Pred. No. 6.9e+02;
.ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Inducible nitrogen monoxide synthase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 2; 304pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAR77360 standard; protein; 1144 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-MAY-1996 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         292 KWVFFA 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 925 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAR77360;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 48
XXXXXXXXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
```

Gaps

;

ADR97294 standard; protein; 925

RESULT 47 ADR97294 02-DEC-2004 (first entry)

X X IX X

ADR97294;

ô

Gaps

.; 0

```
The invention relates to antisense compounds, especially oligomucleotides, which are targeted to a nucleic acid encoding inducible nitric oxide synthase and which specifically hybridise to and modulate expression of inducible nitric oxide synthase. The antisense compounds have immunomodulator, antidiabetic, cardiovascular, cardiant, neuroprotective, disorder and vasotropic activity. The antisense oligomucleotides are useful for inhibiting the expression of inducible nitric oxide synthase in cells or tissues. In particular, the antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides for modulating the expression of inducible nitric oxide synthase in cells or tissues, particularly useful for treating e.g. immunological, cardiovascular or neurological disorders, or
                                                                                                                  The invention relates to two DNA molecules encoding inducible nitric oxide synthase (iNOS) proteins, where the DNA molecules comprise defined sequences of 4041 and 4165 base pairs given in the specification and the proteins have 1144 and no acids. Also claimed are expression vectors containing the DNA molecules, and recombinant host cells containing the vectors. The DNA molecules are useful for producing the recombinant proteins. The present sequence represents inducible nitric oxide, long isoform. (Updated on 25-MAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense oligonucleotide; inducible nitric oxide synthase; modulate expression; immunomodulator; antidiabetic; cardiovascular; cardiant; neuroprotective; vasotropic; ischaemia; reperfusion injury; 2'-0-methoxyethyl; phosphorothioate; mouse.
                    DNA encoding inducible nitric oxide synthase proteins - useful for producing recombinant proteins.
                                                                                                                                                                                                                                                                                                                                            Length 1144;
                                                                                                                                                                                                                                                                                                                         Score 28; DB 2; Ler
Pred. No. 8.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 17; Page 110-114; 144pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mouse inducible nitric oxide synthase 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAG64500 standard; protein; 1144 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cowsert LM;
                                                                            Claim 1; Col 25-32; 39pp; English
                                                                                                                                                                                                                                                                                                                                          96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JAN-2001; 2001WO-US001381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-JAN-2000; 2000US-00490208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-OCT-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dean NM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2001-465340/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                                                    Sequence 1144 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N-PSDB; AAH47974
                                                                                                                                                                                                                                                                                                                                                                                                                         1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200152902-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAG64500;
                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ischemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 50
AAG64500
                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus
  X44X8X000000000X8
                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Inducible nitric oxide synthase; iNOS; recombinant protein; cDNA library;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Inducible nitrogen monoxide synthase (iNOS) was isolated from mice, and is encoded by AAQ94252. iNOS is homodimer with a mol. wt. of 130 kDA per subunit. The activity of iNOS is independent of calmodulin and cellular calcium levels. Vectors conteg. the DNA are used in the treatment or prevention of vascular diseases, high blood pressure, arteriosclerosis, etenosis or restenosis of blood vessels, esp. coronary vessels after percutane transluminal coronary angioplasty. See AAR77363 and AAR77362 for endothelial and brain-derived NOS
                                                                                                                                                                                                                                                                                                                                        Eukaryotic expression vector for nitrogen-mon:oxide synthase gene - useful in the treatment and prevention of diseases of blood vessels by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 28; DB 2; Length 1144; Pred. No. 8.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inducible nitric oxide synthase, long isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nathan CF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW51246 standard; protein; 1144 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Xie
                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 5; Fig 1; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96.6%;
                                                                                                                      94DE-04411402
                                                                                                                                                         94DE-04411402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93US-00147812.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Calaycay JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5; Conservative
                                                                                                                                                                                                                                        Goedecke A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MERI ) MERCK & CO INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (revised)
                                                                                                                                                                                                                                                                            WPI; 1995-345550/45.
N-PSDB; AAQ94252.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1998-361696/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         514 KWVPFA 519
                                                                                                                                                                                                 (SCHR/) SCHRADER J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1144 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N-PSDB; AAV07247
Mus musculus.
                                                                                                                                                         31-MAR-1994;
                                       DE4411402-A1
                                                                                                                    31-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                 gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-FEB-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-NOV-1993;
                                                                                                                                                                                                                                        Schrader J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2003
12-AUG-1998
                                                                            05-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US5766909-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mumford RA,
```

Query Match

Matches

요

ઠે

16-JUN-1998

Mus sp.

AAW51246;

AAW51246

```
8888888
```

Oligonucleotides are useful for treating diseases or disorders associated with inducible nitric oxide synthase, e.g. diabetes, immunological disorder, cardiovascular disorder, neurological disorder or ischaemia/reperfusion injury. The antisense oligonucleotides are also useful for research and diagnostics. The present sequence is that of mouse inducible nitric oxide synthase

Sequence 1144 AA;

0; Gaps Query Match 96.6%; Score 28; DB 4; Length 1144; Best Local Similarity 83.3%; Pred. No. 8.5e+02; Matches 5; Conservative 1; Mismatches 0; Indels

ô

|:|||| 514 KVVFFA 519 1 KIVEFA 6 셤 ò

Search completed: March 9, 2005, 06:27:25 Job time : 65.9452 secs

us-10-009-122-1.rai

GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

March 9, 2005, 06:11:36 ; Search time 16.0274 Seconds (without alignments) 27.946 Million cell updates/sec Run on:

US-10-009-122-1 29

1 KIVFFA 6 Title: Perfect score: Sequence: BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

513545 segs, 74649064 residues Searched:

513545 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Sequence 28, Appl Sequence 5, Appli	6 44	<u>.</u>	٦,	eguence 64,	equence 20	e 3,	e 20	e 21	e 22	e 23	e 24	e 20	equence 21	e 22	equence 23	e 24	equence 20	equence 2	equence 22	equence 23	equence 24	equence 14	equence 14	ď	equence 25	equence 14	equence 5,	e 14	e 37	equence 14	e 56	e 57	equence 58	equence 6	equence 61,	е 63,
703-675C 617-267C	US-09-095-106A-	US-08-766-596A-	PCT-US96-10220	US-08-766-596A-	US-09-747-408-2	3 US-08-970-833-3	US-09-724-961-	-09-724-961-2	4 US-09-724-961-22	-09-7	-09-724-961-	-09-580-	-09-580-018-2	-09-580-018-	-09-580-018-2	-09-580-018-2	-09-724-551-2	US-09-724-551-	US-09-724-551-2	US-09-724-	-09-724-	US-08-630-	US-08-766-	-886-60-SN	-886-60-SN	PCT-US96-1	US-09-594-			US-08-617-267C-1	US-08-766-59	US-08-766-5	-08-766-5	-08-766-596A-	-08-766-596A-	4 US-08-766-596A-63
ထေထ	80	ω	œ	σ	σ		10			10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	14	15	15	15	15	15	15	15	15	15
93.1 93.1	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93.	93	93.	93.
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28 29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53	54	52	26	57	28	29	09	61	62	63	64	

ALIGNMENTS

; 0 is Sequence 1, Application US/09747408
; Sequence 1, Application US/09747408
; Reach No. 6670399
; GENERAL INFORMATION:
; APPLICANT: Gereen, Allan M.
; APPLICANT: Gereen, Allan M.
; TITLE OF INVENTION: Compounds And Methods For Modulating;
; TITLE OF INVENTION: Compounds And Methods For Modulating;
; TITLE OF INVENTION: Compounds And Methods For Modulating;
; FILE REFERENCE: NBL-088
; CURRENT APPLICATION NUMBER: US/09/747,408
; CURRENT FILING DATE: 1999-12-22
; PRIOR FILING DATE: 1999-12-23
; NUMBER: OF SEQ ID NOS: 24
; SOFTWARE: FASTESEQ for Windows Version 4.0
; SEQ ID NO 1. 100.0%; Score 29; DB 4; Length 6; 100.0%; Pred. No. 4.1e+05; ative 0; Mismatches 0; Indel8 6; Conservative TYPE: PRT CORGANISM: Homo sapiens US-09-747-408-1 Query Match Best Local Similarity Matches 6; Conserv LENGTH: 6

ö

Gaps

g ઠે

Gaps

ö

```
Sequence 6921, Application US/09513999C

Sequence 6921, Application US/09513999C

Batent No. 6783961

GENERAL INFORMATION:
APPLICANT: Dunmas Milne Edwards, J.B.
APPLICANT: Duclett, A.
APPLICANT: Duclett, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: 59. US2.REG
CURRENT PAPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 1999-02-24
FRICH APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER: OF SEQ ID NOS: 36681
SEQ ID NO 6921
LENGTH: 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Xie, Qiao-wen
APPLICANT: Xie, Qiao-wen
APPLICANT: Mumford, Richard A.
APPLICANT: Mumford, Richard A.
APPLICANT: Calagycay, Jimmy Ramos
TILE OF INVENTION: DNA Encoding Inducible Nitric Oxide Synthase
NUMBER OF SEQUENCES: 6
CORRESPONDRICE ADDRESS:
ADDRESSEE: APPECK & Co., Inc.
STREET: 126 East Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 77;
                                                                                                                                                                                                                                                                   Score 28; DB 4; Length 6; pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96.6%; Score 28; DB 4;
83.3%; Pred. No. 22;
vative 1; Mismatches (
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION UMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
US-08-147-812-5
'Sequence 5, Application US/08147812
'Patent No. 5766909
                                                                                                                                                                                                                                                                          96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83...
Frank Si Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-6921
                                                                                                                                                                                       TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Rahway
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              38 KVVFFA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                           |:||||
1 KWFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-US-14/-4UB-S

Gaguence Ge7039

GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gereals, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: US/09/747,408
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR PAPPLICATION NUMBER: 60/171,877

NUMBER OF SEQ ID NOS: 24

SOCTUMARE: PSSEQ FOR WINDOWS VETSION 4.0

SEQ ID NO 9

LENGTH: 6
                                                                                                                                            APPLICANT: Grevais, Francine
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-08
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT APPLICATION NUMBER: 60/171,877
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 4; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96.6%; Score 28; DB 4; Length 6; 83.3%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17, Application US/09747408
Patent No. 6670399
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                           ; Sequence 10, Application US/09747408; Patent No. 6670399; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 83...
S; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-9
                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 4
US-09-747-408-17
                                                                  US-09-747-408-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 3
US-09-747-408-9
```

셤 ે

ö

.. 0

ò 셤 Gape

.; 0

```
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: SCHRADER, Jurgen
APPLICANT: GODECKE, Axel
TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
FILE REPERBRUCE: 51169-2004
CURRENT APPLICATION NUMBER: 08/99/123,624
CURRENT FILING DATE: 1998-07-28
FRIOR PELICATION NUMBER: 08/553,503
FRIOR PELICATION NUMBER: 08/553,503
FRIOR PELICATION NUMBER: 411402.8
FRIOR FILING DATE: 1994-03-31
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PATCHING VET: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/09123708

Sequence 2, Application US/09123708

Patent No. 6146887

GENERAL INFORMATION:

APPLICANT: SCHRADER, Juergen

APPLICANT: GCEDECKE, Axel

TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN GENE THERAPEUTIC

TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS

TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS

TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS

CURRENT APPLICATION NUMBER: US/09/123,708

CURRENT FILING DATE: 1998-07-28

EARLIER PILING DATE: 1996-03-01

EARLIER PILING DATE: 1996-03-01

EARLIER PILING DATE: 1994-03-31

NUMBER OF SEQ ID NOS: 6

SOFTWARE: PATENTIN VOF: 2.0

SEQ ID NOS: 6

SEQ
                                                                                                                                                                                                              Score 28; DB 2; Length 1144;
Pred. No. 3e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 28; DB 3; Length 1144;
Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09123624
Patent No. 6149936
                                                                                                                                                                                                                       96.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
COGGANISM: Cytomegalovirus
US-09-123-708-2
                                                                                           TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-319-866-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT COGANISM: Mus musculus US-09-123-624-2
                                TYPE: amino acid STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                        514 KWVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              514 KWVFFA 519
                                                                                                                                                                                                                                                                                                                                                1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 1144
                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Tully, Timothy P.
APPLICANT: Tully, Timothy P.
APPLICANT: Tully, Jerry C.
APPLICANT: Regulski, Michael
TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES
TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STRATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 1144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/319,866
FILING DATE: 7-OCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 28; DB 1;
Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
                   OPERATING SYSTEM: Macintosh 70.1
SOFTWARE: Microsoft Word 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/147,812
FILING DATE: No. 5766909 Available
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/841,641
FILING DATE: 02-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Wallen, John W III
REGISTRATION NUMBER: 35,403
RERERENCE/DOCKET NUMBER: 186581A
TELECOMUNICATION INFORMATION:
TELEPHONE: (908) 594-4720
TELEPHONE: (908) 594-4720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 7
US-08-319-866-12
; Sequence 12, Application US/08319866
; Patent No. 592923
Macintosh Centris650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL:
TELEPHONE: (617) 861-6240
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (90%)
TELEFAX: 18925
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1144 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96,68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 83.5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    514 KWVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-147-812-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

Gaps

. 0

```
amino acid
                                                                                                                                                                                                                                                                                                                                                                           |:||||
514 KVVFFA 519
                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Stuehr, Dennis J.
APPLICANT: Stuehr, Dennis J.
APPLICANT: Adak, Subrata
TITLE OF INVENTION: Nucleic Acids Encoding Nitric Oxide Synthase Variants
FILE REFERENCE: 26473/04028
CURRENT APPLICATION NUMBER: US/09/661,258
CURRENT FILING DATE: 2000-09-13
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                               Gaps
                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
Score 28; DB 3; Length 1144;
Pred. No. 3e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 4; Length 1144; 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY NUMBER OF SEQUENCES: 25 CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive CITY: Lexington STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/809,917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 28;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/361,063
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/319,866
FILING DATE: 07-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 02173
COMPUTER REAABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 12, Application US/08809917
Patent No. 6689557
                                                                                                                                                                                                                 Sequence 5, Application US/09661258
Patent No. 6620616
       96.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.6%;
83.3%;
   Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Mus musculus
US-09-661-258-5
                                                                                                              514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |:||||
514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 5
LENGTH: 1144
                                                                                                                                                                                               US-09-661-258-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-612-785B-9
; Sequence 9, Application US/08612785B
; Sequence 9, Application US/08612785B
; Patent No. 5854204
; GENERAL INFORMATION:
; APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
; TITLE OF INVENTION: Aggregation
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
    ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                               Score 28; DB 4; Length 1144; Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/80/404,831
FILING APPLICATION NUMBER: USSN 08/404,831
FILING APPLICATION NUMBER: USSN 08/475,579
FILING APPLICATION NUMBER: USSN 08/475,579
FILING APPLICATION NUMBER: USSN 08/475,579
FILING APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2;
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-03A2 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-640
TELEPHONE: (617) 861-9540
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1144 amino acids
TYPE: amino acids
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.1%; Score 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                               96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (617)742-4214
                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; MOLECULE TYPE: peptide US-08-612-785B-9
                                                                                                                                                                                                                                                                   , MOLECULE TYPE: protein US-08-809-917-12
```

```
Sequence 3, Application US/09747408
| Patent No. 6670399
| GENERAL INFORMATION:
| APPLICANT: Green, Allan M.
| APPLICANT: Green, Allan M.
| TITLE OF INVENTION: Compounds And Methods For Modulating
| TITLE OF INVENTION: Cerebral Amyloid Angiopathy
| FILE REPERENCE: NBI-088
| CURRENT APPLICATION NUMBER: US/09/747,408
| CURRENT FILING DATE: 1999-12-22
| PRIOR PILING DATE: 1999-12-23
| NUMBER OF SEQ ID NOS: 24
| SEQ ID NO. 3.
| LENGTHARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 6;
       Findeis, Mark A. et al.
VENTION: Modulators of Amyloid Aggregation
                                                                                                                                                       CUNTRY: BOSCOLUSETES
COUNTRY: USA
ZIT: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: THE PC COMPATIBLE
COMPUTER: PATENTATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
RILING APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONENEY/AGENT INFORMATION:
ANDER APPLICATION PATA:
ANDER APPLICATION DATA:
ANDER APPLICATION PATA:
ANDER APPLICATION DATA:
ANDER APPLICATION PATA:
ANDER APPLICATION PATA:
ANDER APPLICATION UMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONEX/AGENT INFORMATION:
ANDER ATTONEX/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 27; DB 3;
Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                        TITLE OF INVENTION: Modulators of Amy NUMBER OF SEQUENCES: 45
CORRESSONDENCE ADDRESS:
STREET: 28 State Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1:||||
1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-617-267C-9
       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                  Aggregation Comprising D-
                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93.1%; Score 27; DB 3; Length 6; 83.3%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
RIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Kata, Catherine J.

NEGISTRATION NUMBER: PPI-016CP2
REFERENCE/DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
THELECOMMUNICATION INFORMATION:
THELECOMMUNICATION INFORMATION:
THELECOMMUNICATION INFORMATION:
THELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                             Sequence 32, Application US/08703675C

Patent No. 6303567
GENERAL INFORMATION:
TITLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
  83.3%; Pred. No. 4.1e+05;
tive 1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 9, Application US/08617267C; Patent No. 6319498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3.
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 28 State Str
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                        1 KIVFFA 6
                                                                                                  |:||||
KLVFPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:||||
KLVFFA
                                                                                                                                                                                    RESULT 13
US-08-703-675C-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-703-675C-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 14
US-08-617-267C-9
                                                                        ઠે
                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
```

Gaps

..

ö

```
Sequence 7, Application US/08612785B

Sequence 7, Application US/08612785B

Parent No. 5854204

GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: AB Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS;
ADDRESSER: LAHIUTE & COCKFIELD
STREET: 28 State Street, Suite 510

CHTY: BOSEON
CONTROLL
CHTY: CONTROLL
CHT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                     Score 27; DB 1; Length 7; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSFRICATION: 514
PRIOR APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONEY/AGENT INPORMATION:
AMAME: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93.1%; Score 27; DB 2; 183.3%; Pred. No. 4.1e+05; tive 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Deconti, Giulio A. REGISTRATION NUMBER: 31,503 REFERENCE/DOCKET NUMBER: PP. TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
                                                                                                                                                                                                                                                                                                                                                                                                                93.1%;
                                                                                               TELEX: NO. 5470951e
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Massachusetts
                                                                                                                                                                                                                                             TYPE: Amino Acid
STRANDEDNESS:
TOPOLOGY: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-612-785B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 18
US-08-612-785B-7
                                                                                                                                                                                                                                                                                                                                                       US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                     Gaps
                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounde And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
          93.1%; Score 27; DB 4; Length 6; 83.3%; Pred. No. 4.18+05; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93.1%; Score 27; DB 4; Length 6; 83.3%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Amnestic Effects of Amyloid n
TITLE OF INVENTION: Protein and Improving the
TITLE OF INVENTION: Quality of Life in Individuals
TITLE OF INVENTION: With Alzheimer Disease
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSS:
ADDRESSEE: City of Hope
STREET: 1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Duarte
STATE: California
COUNTRY: United States of America
ZIP: 91010-0269
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4" diskette
COMPUTER: Wang FO.
OPERATING SYSTEM: MS DOS Version 3.20
SOFTWARE: Microsoft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA: No. 5470951e
ATTORNEY/AGENT INFORMATION:
NAME: Irons, Edward S.
REGISTRATION NUMBER: 16,541
REFERENCE/DOCKET NUMBER: No. 5470951e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Microsoft
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/127,904
FILING DATE: 29 September 1993
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 14, Application US/08127904
Patent No. 5470951
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                           RESULT 16
US-09-747-408-11
'Sequence 11, Application US/09747408
'Partent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                 Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 17
US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                    g
```

Gaps

```
GENERAL INCORNATION:
APPLICANT: Roberts, Eugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
FILE REFERENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
CURRENT FILING DATE: 1999-03-09
PRIOR APPLICATION NUMBER: 08/797,782
PRIOR APPLICATION NUMBER: 08/797,782
SECONDARY FILING DATE: 1997-02-07
NUMBER OF SEC ID NOS: 39
SOFTWARE: PATCHIN Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 27; DB 3; Length 7; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 7;
                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
FILING DATE: 14-MAR-1995
FILING DATE: 14-MAR-1995
FILING DATE: 07-JUN 1995
FILING DATE: 07-JUN 1995
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONTI, Giulio A.
REGISTRATION NUMBER: 31.503
REFERENCE/DOCKET NUMBER: 31.503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                 CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-264-709A-13
; Sequence 13, Application US/09264709A
; Patent No. 6320024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , MOLECULE TYPE: peptide US-08-617-267C-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-09-264~709A-13
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 13
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                 Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 27; DB 3; Length 7; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mark A. et al.
Modulators of Amyloid Aggregation
                                                                                                                                                                                                                                                      Sequence 30, Application US/08703675C
Patent No. 6303567
GENERAL INFORMATION:
TITLE OF INVENTION: Modulators of -Amyloid Peptide NUMBER OF SEQUENCES: 46
CORRESPONDENCES: ABDRESS:
ADDRESSEE: LAHIVUE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUBER: US/08/703,675C
FILING DATE: 27-AUG-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNM-1995
PRIOR APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 07-UNM-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
ATTORNEY AGENT INFORMATION:
NAME: KAIA, CATHERING:
NAME: KAIA, CATHERING:
REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET NUMBER: 41,106
REFINENCE/DOCKET NUMBER: 91,106
REFINENCE/DOCKET NUMBER: 91,106
REFINENCE/DOCKET NUMBER: 91,106
REFINENCE/DOCKET NUMBER: 91,106
REFERENCE/DOCKET NUMBER: 91,106
REFERENC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 02.09-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/08617267C
Patent No. 6319498
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al
TITLE OF INVENTION: Modulators of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:|||||
2 KLVFPA 7
                                                                                                                                                                                                                              US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 20
US-08-617-267C-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
```

Gaps

```
.;
0
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-08
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR PILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 19
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 27; DB 4; L
Pred. No. 4.1e+05;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Method For TITLE OF INVENTION: Method For TITLE OF INVENTION: Antagonizing Amnestic TITLE OF INVENTION: Antagonizing Amnestic TITLE OF INVENTION: Effects of Amyloid n TITLE OF INVENTION: the Quality of Life TITLE OF INVENTION: in Individuals TITLE OF INVENTION: in Individuals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: California
COUNTRY: United States of America
ZUP: 91010-0269
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4"
MEDIUM TYPE: diskette
COMPUTER: wang PC
OPERATING SYSTEM: MS DOS Version 3.20
SOFTWARE: Microsoft
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/10475
FILING DATE: 16 September 1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA: U. S. Application PRIOR APPLICATION DATA: Serial No. PRIOR APPLICATION DATA: 08/127,904; filed PRIOR APPLICATION DATA: 29 September 1993 ATTORNEY/AGENT INFORMATION: REGISTRATION NUMBER: 16,541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: None
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 626-3564 or 783-6030
TELEFAX: (202) 783-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 14, Application PC/TUS9410475; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: None
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
US-09-747-408-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVEFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Duarte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCT-US94-10475-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps · 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
0
                                                                                                                                                                                                                                                             Sequence 2, Application US/09747408
; Sequence 2, Application US/09747408
; Patent No. 6670399
; GENERAL INFORMATION:
   APPLICANT: Green, Allan M.
; APPLICANT: Geren, Allan M.
; TITLE OF INVENTION: Compounds And Methods For Modulating;
   TITLE OF INVENTION: Cerebral Amyloid Angiopathy
; FILE REFERENCE: NBI-088
; CURRENT APPLICATION NUMBER: US/09/747,408
; CURRENT FILING DATE: 2000-12-22
; PRIOR PILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 23
US-09-747-408-18

i Sequence 18

sequence 18. Application US/09747408

i Ratent No. 6670399

i GENERAL INFORMATION:

APPLICANT: Green, Allan M.

ITILE OF INVENTION: Compounds And Methods For Modulating

TITLE OF INVENTION: Cerebral Amyloid Anglopathy

FILE REFERENCE: NBI-088

CURRENT APPLICATION NUMBER: US/09/747,408

CURRENT FILING DATE: 2000-12-22

PRIOR PILING DATE: 1999-12-23

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.1%; Score 27; DB 4; Length 7; 83.3%; Pred. No. 4.1e+05; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             93.1%; Score 27; DB 4; Length 7;
83.3%; Pred. No. 4.1e+05;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 24
US-09-747-408-19
Sequence 19, Application US/09747408
Patent No. 6670399
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
US-09-747-408-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
|:||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                    1 KLVFFA
                                                                                                                                                                                                                                                      US-09-747-408-2
```

ò g 임

ઠે

```
Aggregation Comprising D-
                                                  APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, BLG
APPLICANT: FRANGIONE, BLG
APPLICANT: FRANGIONE, BLG
TITLE OF INVENTION: THEREOF FOR TREATHENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: THEREOF FOR TREATHENT OF DISORDERS OR DISEASES ASSOCIATED
WINDER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MS-08-701-28

| Sequence 28, Application US/08703675C |
| Sequence 28, Application US/08703675C |
| Patent No. 6303567 |
| Patent No. 630357 |
| Patent No. 630357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 27; DB 2;
Pred. No. 4.1e+05;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOTO-JARA=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDUIW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                  STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA
   Patent No. 5948763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-630-645-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                   Gaps
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 27; DB 2; Length 8;
Pred. No. 4.1e+05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SOUTENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                0; Indels
                                                                                    Score 27; DB 5; Length 7; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION S14
PRIOR APPLICATION NUMBER: USSN 08/404,831
APPLICATION NUMBER: USSN 08/404,831
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONEY/AGERT INFORMATION:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONEY/AGERT INFORMATION:
                                                                                                                                                   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REPERENCE/DOCKET NUMBER: PPI-002CP3
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08612785B Patent No. 5854204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 1, Application US/08630645
                                                                                    93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 28 State Stree CITY: Boston STATE: Massachusetts COUNTRY: USA
                                                                                    Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8 amino acida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; MOLECULE TYPE: peptide US-08-612-7858-5
Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                           1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KIVFFA 6
         ;
PCT-US94-10475-14
TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                            RESULT 26
US-08-612-785B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 27
US-08-630-645-1
                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
NAME: DeConti, Giulio A.
REGISTRATION VUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMONICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 31
US-08-766-596A-1
; Sequence 1, Application US/08766596A
; Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-617-267C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:||||
KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/08617267C
; Sequence 5, Application US/08617267C
; Patent No. 6119498
; GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
APPLICANT: Findeis, Mark A. et al.
APPLICANTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Massachusetts
COUNTRY: Massachusetts
COUNTRY: USA
ZIP: O2109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
FLOREWEW APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
PRING APPLICATION DATA:
PRING APPLICATION DAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.1%; Score 27; DB 3; Length 8; 83.3%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION WINDER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                   PILING DATE: 27-AUG-1996
CLASSIERCATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNA-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/616,081
APPLICATION NUMBER: USSN 08/616,081
ATTONNEY/AGENT INFORMATION:
NAME: KARA, CACHATINGER, USDI-016/CD2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 8 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-703-675C-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 29
US-08-617-267C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
```

```
GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Marc
APPLICANT: SOTO-JARA, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, MARC
APPLICANT: FRANGIONE, BLas
TITLE OF INVENTION: PERFIIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCES ADDRESSS:
ADDRESSEE: BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 30
US-09-095-106A-44

is Sequence 44, Application US/09095106A

partent No. 6331440.

GRNERAL INFORMATION:

APPLICANT: NORDSTEDT, Christer

APPLICANT: TAYBERG, Johan

APPLICANT: TYBENBERG, Lars O.

APPLICANT: TRERNIUS, Lars O.

APPLICANT: TRERNIUS, Lars O.

APPLICANT: TRERNIUS, Lars O.

APPLICANT: TSERNIUS, Lars O.

APPLICANT: TSERNIUS, Lars O.

PRICE REFERENCE: 000500-124

CURRENT APPLICATION NUMBER: US/09/095,106A

CURRENT FILING DATE: 1998-06-10

PRIOR PLING DATE: 1998-12-29

PRIOR FILING DATE: 1998-12-09

PRIOR FILING DATE: 1998-12-09

NUMBER OF SEQ ID NOS: 44

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 44

LENGTH: B.

TAYBET OF THE ORDSTER ORDSTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                             Gaps
                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 8;
Query Match
Best Local Similarity 83.3%; Pred. No. 4.1e+05;
Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
93.1%; Score 27; DB 3; I
Best Local Similarity 83.3%; Pred. No. 4.1e+05;
Matches 5; Conservative 1; Mismatches 0;
```

```
US 08/630,645
             FILING DATE: 10-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, ROGET L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: 50TO-
TELECOMMUNICATION INFORMATION:
TELEFAX: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 main acids
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          202-737-3528
                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: peptide PCT-US96-10220-1
    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 33
US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93.1%; Score 27; DB 4; Length 8; 83.3%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                                                                                              COMPUTER FROM HER FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FLING DATE: US/08/766,596A
FLING APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: US-APR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: BROWNY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IB PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10220
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1, Application PC/TUS9610220 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFRENCE/DOCKET NUMBER: SOTO-
TELECOMMUNICATION INFORMATION:
TELEFAX: 202-628-5197
TELEFAX: 202-737-3528
INPORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
                    Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
                                                                                 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCT-US96-10220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-766-596A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
```

```
Sequence 64, Application US/08766596A
Septicant: Sorro-Jara, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BRANGTIONS: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS: 69
CORRESPONDENCE ADDRESSE: BROWNY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CONTY: Machington
CONTY: Machington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                      Score 27; DB 5; Length 8; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
SOTO-JARA=1 PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CIALING DATE:
CLASISPECATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
```

```
RESULT 37
US-09-724-961-21
; Sequence 21, Application US/09724961
; Patent No. 6743427
; GENERAL INFORMATION:
REFERENCE/DOCKET NUMBER: 960
TELECOMUNICATION INFORMATION:
TELEPHONE: (414) 277-5709
TELEFAX: (414) 277-5709
TELEFAX: (414) 271-3552
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 antino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.5.
Conservative 5;
                                                                                                                                                         single
                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |:||||
KLVFFA 10
                                                                                                                                     TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 36
US-09-724-961-20
                                                                                                                                                                                                                 US-08-970-833-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                  ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
0
                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                             0
                                                                                                                                                                                                                                                                            Sequence 20, Application US/09747408
; Sequence 20, Application US/09747408
; Patent No. 6670399
; GENERAL INFORMATION:
    APPLICANT: Gereen, Allan M.
    APPLICANT: Gereen, Allan M.
    TITLE OF INVENTION: Compounds And Methods For Modulating;
    TITLE OF INVENTION: Corebral Amyloid Angiopathy
    FILE REFERENCE: NB-088
; CURRENT FILING DATE: 2200-12-22
; FRIOR APPLICATION NUMBER: 60171,877
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 20
ILENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/08970833
Patent No. 6022859
Patent No. 6022859
CENERAL INFORMATION:
APPLICANT: Kiessling, Laura L.
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA-AMYLOID TOXICITY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEB: Quarles & Brady
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0, Indels
                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 27; DB 4; Length 9;
Pred. No. 4.1e+05;
                                                                                                       Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Milwaukee
STREET: 411 East Wisconsin Avenue
CITY: Milwaukee
STATE: Walsconsin
COUNTRY: U.S.A.
ZIP: 53202-4497
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFRWATE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,833
APPLICATION NUMBER: US/08/970,833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. 4.1e+05;
1; Mismatches 0
                                                                                                     93.1%; Score 27; DB 4; I
83.3%; Pred. No. 4.1e+05;
iive 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Baker, Jean C.
REGISTRATION NUMBER: 35,433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                         Query Match
Best Local Similarity 83.3
Matches 5; Conservative
       STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |:||||
4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                             |:||||
2 KLVFFA 7
                                                       , MOLECULE TYP1
US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-970-833-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                       ò
                                                                                                                                                                                                                        g
```

```
ö
                                                       ö
                                                                                                                                                                                                                                                                                     us-uy-724-961-20
; Sequence 20, Application US/09724961
; Patent No. 6743427
; Patent No. 6743427
; Geberat Information:
    APPLICANT: Schenk, Dale B.
    APPLICANT: Bard, Frederique
    APPLICANT: Vasquez, Nicki
    CURRENT APPLICATION NUMBER: US/09/724,961
    CURRENT FILING DATE: 2000-11-28
    PRIOR PILING DATE: 2000-65-26
    PRIOR PILING DATE: 1999-05-28
    PRIOR PILING DATE: 1999-05-28
    PRIOR PILING DATE: 1998-11-30
    PRIOR PILING DATE: 1998-11-30
    PRIOR PILING DATE: 1998-11-30
    PRIOR FILING DATE: 1997-12-02
    NUMBER OF SEQ ID NOS: 77
    SOFTWARE: Patentin Ver. 2.1
    SEQ ID NO 20
    LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid JOHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 27; DB 4; Length 10;
Pred. No. 5.1;
1; Mismatches 0; Indels
DB 3; Length 10;
                                                       0; Indels
Score 27; DB 3; Pred. No. 5.1; 1; Mismatches
```

Gaps

ö

```
Sequence 24, Application US/09724961

Patent No. 674427
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Vadaquez, Nicki
APPLICANT: Vadaquez, Nicki
APPLICANT: Vadack, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 152704-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
; OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-961-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPRENECE: 152700.004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             93.1%; Score 27; DB 4; Length 10; 83.3%; Pred. No. 5.1; cive 1; Mismatches 0; Indels
                                                                                                                                              Length 10;
                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-14-30
PRIOR FILING DATE: 1998-04-07
PRIOR APPLICATION NUMBER: US 60/080,970
PRIOR PILING DATE: 1998-04-07
PRIOR PILING DATE: 1998-04-07
PRIOR PILING DATE: 1998-04-07
                                                                                                                                                 Score 27; DB 4
Pred. No. 5.1;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 23, Application US/09724961
Patent No. 6743427
                                                                                                                                                 93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                           5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                 Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                   |:||||
KLVFFA 8
                                                                                                                                                                                                                                                                  1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-724-961-24
                                                                                                                                                                                                                                                                     6
                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                  APPLICANT: Yachock, recat
APPLICANT: Yachock, recat
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 152700-004750UC
CURRENT APPLICATION NUMBER: 2000-11-28
PRIOR APPLICATION NUMBER: US 09/580, 015
PRIOR PLILING DATE: 2000-05-26
PRIOR FILLING DATE: 1999-05-28
PRIOR PLILING DATE: 1999-05-28
PRIOR PLILING DATE: 1998-11-30
PRIOR PLING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 77
TENGTH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid ; OTHER INFORMATION: peptide)
US-09-724-961-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 27; DB 4; Length 10;
Pred. No. 5.1;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 1999-05-28
PRIOR PILING DATE: 1999-05-28
PRIOR PILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-07
PRIOR SEQ ID NOS: 77
NUMBER OF SEQ ID NOS: 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 22, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                           Bard, Frederiq
Vasquez, Nicki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -09-724-961-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
```

Gaps

```
Sequence 22, Application US/09580018

Patent No. 6761888
GENERAL INFORMATION
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT FILING DATE: 2000-05-26
PRIOR PAPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 1999-05-28
PRIOR PLILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 22
LENGTH: 10
TYPE: PRT
                     APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 1200-05-28
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 21
LENGTH: 10
TYPE: PRT
OGRANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.1%; Score 27; DB 4; Length 10; 83.3%; Pred. No. 5.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.1%; Score 27; DB 4; Length 10; 83.3%; Pred. No. 5.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 23, Application US/09580018; Patent No. 6761888; GENERAL INFORMATION: APPLICANT: Schenk, Dale B. APPLICANT: Bard, Frederique APPLICANT: Yednock, Ted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 44
US-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-580-018-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) OTHER INFORM
US-09-580-018-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REFERENCE: 152704 00476018
FILE REFERENCE: 152704 008/09/580,018
CURRENT APPLICATION NUMBER: US 09/322,289
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-961-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 27; DB 4; Length 10;
Pred. No. 5.1;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
               PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-04-07
PRIOR PILING DATE: 1998-11-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 27; DB 4
Pred. No. 5.1;
1; Mismatches
APPLICATION NUMBER: US 09/580,015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 41
US-09-580-018-20
Sequence 20, Application US/09580018
Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21, Application US/09580018; Patent No. 6761888; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             93.1%;
                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 KLVPFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 42
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE
```

a

Gaps

.; 0

a

ö

Gaps

.; 0

Gaps

```
Sequence 21, Application US/09724551

Patent No. 6787637

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Bard, Frederique

APPLICANT: Fedneck, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

TITLE OF INVENTION: P. 2000-11-28

CURRENT FILING DATE: 2000-11-28

FRIOR FILING DATE: 2000-16-26

PRIOR FILING DATE: 1999-05-28

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 21

LENGTH: 10
                                                                                                                                                                                                                                                               CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide, OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; CTHER INFORMATION: peptide)
US-09-724-551-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 27; DB 4; Length 10;
Pred. No. 5.1;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                            Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                          Score 27; DB 4;
Pred. No. 5.1;
                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                        PRIOR APPLICATION NUMBER: U3/09/580,018
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 22, Application US/09724551 Patent No. 6787637
           2000-11-28
                                                                                                                                                                                                                                                                                                                                                                          93.1%;
83.3%;
                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83.5
احدة 5; Conservative
           CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 47
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-724-551-22
                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 152704-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20, Application US/09724551
Patent No. 6787637
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Ted
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
      and Treatment of Amyloidogenic Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid ; OTHER INFORMATION: peptide)
US-09-580-018-24
                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                              4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                       Score 27; DB 4;
Pred. No. 5.1;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.1%; Score 27; DB 4
83.3%; Pred. No. 5.1;
iive 1; Mismatches
TITLE OF INVENTION: Prevention and Treatment FILE REFERENCE: 15270.004760US
CURRENT PAPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 24, Application US/09580018
Patent No. 6761888
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                         93.1%;
83.3%;
                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 77
SOFWARE: Patentin Ver. 2.1
SEQ ID NO 24
LENGTH: 10
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match
Best Local Similarity 83.5
Best Local 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |:|||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-724-551-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-580-018-24
                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

ö

Gaps

```
REFERENCE: 15270J-004760US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TILE BEFERNCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 1999-05-28
PRIOR PILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 24, Application US/09724551
; Patent NO. 6787637
; Patent INCPRATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Schenk, Dale B.
; APPLICANT: Yedock, Ted
; APPLICANT: Yedock, Ted
; TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
; OTHER INFORMATION: peptide)
US-09-724-551-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-551-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 93.1%; Score 27; DB 4; Length 10; Best Local Similarity 83.3%; Pred. No. 5.1; Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.1%; Score 27; DB 4; Length 10; 83.3%; Pred. No. 5.1; ive 1; Mismatches 0; Indels
                   CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US/09/580,018
PRIOR FILING DATE: 2000-05-26
PRIOR PELING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PACENTIN VET: 2.1
SEQ ID NO 22
LENGTH: 10
  CURRENT APPLICATION NUMBER: US/09/724,551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 49
US-09-744-551-23
Sequence 23, Application US/09724551
; Patent No. 6787637
                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best. Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 50
US-09-724-551-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          δ
```

```
CURRENT APPLICATION NUMBER: US/09/724,551

CURRENT PILING DATE: 2000-11-28

PRIOR PAPLICATION NUMBER: US/09/580,018

PRIOR PAPLICATION NUMBER: US/09/580,018

PRIOR APPLICATION NUMBER: US 09/322,289

PRIOR APPLICATION NUMBER: US 09/322,289

PRIOR APPLICATION NUMBER: US 09/322,289

NUMBER OF SEQ ID NOS: 77

SOFTWARE: PART

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide

FEATURE:

OTHER INFORMATION: Deptide)

US-09-724-551-24

Query Match

Best Local Similarity 83.34; Pred. No. 5.1;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps

QY I KIVFFA 6

| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVFFA 6
| I KIVF
```

Pac	
_	

	56	ř
GenCore version 5.1.6	27	30
Copyright (c) 1993 - 2005 Compugen Ltd.	28	ĕ
	29	ĕ
	30	3
OM protein - protein search, using sw model	31	ĕ
	32	ž
Run on: March 9, 2005, 06:11:36 ; Search time 74.6027 Seconds	33	3
(without alignments)	34	ĕ
36.290 Million cell undates/sec	3.5	~

(without alignments)

36.290 Million cell updates/sec
Perfect score: 34
Sequence: 1 KKLVFFA 7
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5
Searched: 2105692 segg, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0 Maximum DB seq length: 200000000 Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

A_Geneseq_16Dec04;*

1: _geneseqp1980s:*
2: _geneseqp1980s:*
3: _geneseqp2000s:*
4: _geneseqp2001s:*
5: _geneseqp2001s:*
6: _geneseqp2003s:*
7: _geneseqp2003bs:*
8: _geneseqp2003bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Description	Aab48475 Antifibri	Aab82624 All-D pep	Aau96812 Amyloid t	Aaul1649 Peptide #	Aae35439 Abeta pep	Adg37314 Antifibri	Adq37263 Vaccine a	Abu79063 Aggregati	Abw00197 Peptide #	Adk82706 Beta-amyl	Aaw02312 Beta-amyl	Aaw89376 Beta-amyl	Abg71007 Long form		Adj64058 Human bet	Add37351 Beta-amyl	Aaw02310 Beta-amyl	Aaw89374 Beta-amyl	Abg71005 Long form		Adj64056 Human bet	Add37349 Beta-amyl	Aar45239 Mutant am	Aab48493 Antifibri	Aaul1667 Peptide #
						-																				
	ΙD	AAB48475	AAB82624	AAU96812	AAU11649	AAE35439	ADQ37314	ADQ37263	ABU79063	ABW00197	ADK82706	AAW02312	AAW89376	ABG71007	ABB05155	ADJ64058	ADQ37351	AAW02310	AAW89374	ABG71005	ABB05153	ADJ64056	ADQ37349	AAR45239	AAB48493	AAU11667
	8	4	4	ഹ	'n	ø	œ	œ	Q	7	7	~	~	ß	Ŋ	80	σ,	~	~	'n	Ŋ	œ	œ	~	4	Ŋ
	Match Length DB	7	7	7	7	7	7	7	σ	σ	277	7	7	7	7	7	7	œ	œ	80	α	۵	ω	σ	σ	σ
, E	Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
	Score	34	34	34	34	34	34	34	34	34	31	30	30	30	30	30	30	30	30	30	30	30	30	30	.30	30
1 [11000	No.	н	7	m	4	S	9	7	6 0	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

7517	9053 Aggr	5436 Abeta per	0187 Peptide	5874 Amyloid	37260 Vaccin	37332 Antifi	16226 Human	4622	16224 Human	5227 Human	2641 All-D	5829 Amyloi	11 Differ	3455 Abeta pe	7280 Vaccir	7371 Amyloi	37374 Amylo	2560 Anti	9431 Human	504 Amyloi	9013	683 Aggrec	3147 Amyl	5464 Abet	5435 Abet	5466 Abet	20745 Huma	20744	1476 N-te	7407 Amylo	7289 Vacci	7259	37467 Huma	71477 N-term	71464 N-te	a89887 Bet	j71452 N-t	J71465 N-t	J71478 N-t
ABP5751	ABU7905	AAE3543		ADI3587	ADQ3726	ADQ3733	AAB4622	AAB4622	AAB4622	AAB4622	AAB8264	AAU9682	ABP5751	AAE3545	ADQ3	ADQ3737	ADQ3737	AAW3256	AAU9943	AAE2950	ABU7	ABR8468	ABW0014	AAE3546	AAE3543	AAE3546	ADD2074	ADD207	ADJ7147	ADQ3740	ADQ3728	ADQ3725	ADA3746	ADJ7147	ADJ7146	ADA8988	8 ADJ71452	ADJ7146	ADJ7147
σ	6	σ	თ	σ	σ	σ																															14		
8	8	8	88.2	8	8	æ.	8	8	8	æ.	ω.	8	8	œ.	8	æ.	œ.	œ.	8	8	8	8	8	8	8	8	œ	8	ω.	8	ω.	8	8	8	8	8	ω.	œ	œ.
			30																																				
56	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53	54	22	26	57	28	29	09	61	62	63	64	65

ALIGNMENTS

```
definition actu testicutes with other amilion are produced using formation actual testicutes with other amilion are produced using formation amilion actual testicates of self proteins. The all-D peptides meed not be avoid the drawbacks of self proteins. The all-D peptides meed not be aggregated to be operative or immunogenic. They preferably interact with at least I region of an amyloid protein, e.g. the beta-sheet region or GAG-binding site region, the amyloid-beta peptide, or their immunogenic fragments, protein conjugates, immunogenic derivative peptides and immunogenic peptidominetics. Examples include all-D peptides and immunogenic peptide and the all-D derivative peptides given in AAB82623-64. The vaccine elicits a preferential TH-2 or TH-I response, preventing fibrillogenesis and associated cellular toxicity. The amyloid related diseases may be localised amyloidosis, e.g. diabetes type II, neurodegenerative diseases, scrapie, cerebral amyloid angiopathy, and prion protein related disease, scrapie, cerebral amyloid angiopathy, and prion protein related disease, scrapie, cerebral amyloid angiopathy, and prion protein related disease, or systemic amyloidosis associated with theumatoid arthritis), familial mediterranean fever (FMF) and systemic amyloidosis found in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New amyloid-targeting imaging agents useful for in vivo imaging amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; diabramyloidosis; feline spongiform encephalopathy; diabrain barrier; diabraemer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis; ecrebral amyloid angiopathy.
amino acid residues with other amino acid residues or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 34; DB 4; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Migneault
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU96812 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid targeting peptide #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JUL-2001; 2001WO-CA001071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gervais F, Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAU96812;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 3
AAU96812
     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                   Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and other amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AAB25622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more
                                       Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                          100.0%; Score 34; DB 4; L 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 10; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB82624 standard; peptide; 7 AA
                                                                                                                  Claim 7; Page 25; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-NOV-2000; 2000WO-CA001413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-441458/47.
   WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                       7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                   KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                           KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200139796-A2
                                                                                                                                                                                                                                                                                                         Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-JUN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB82624;
                                                                                                                                                                                                                                                                                                                                                                                                                       н
                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB82624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
```

ä

ö

Gaps

.; 0

Length 7; Indels

```
The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The camploid targeting moiety, a linker moiety and a labelling moiety. The capent is of general formula At-(Allnk) 2-Allab(1) where z = 0 - 1;

CA t = an amyloid targeting moiety. All of the moiety; and Allab companies amyloid targeting mayloid are imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving camploid to the patient, and ultrasound imaging (1) in the patient to determine the presence of amyloid or amyloid-related condition comprising companies and companies and the imaging of the preparation and use of the radiopharmaceutical in the instructions for the preparation and use of the radiopharmaceutical in the instructions of amyloid or an amyloid-related condition. The agent, and condition comprisible condition amyloid deposition and for diagnosing an amyloid related condition e.g. Creutzfeldt-Jakob disease (CUD), kuru, transmissible condition e.g. Creutzfeldt-Jakob disease (CUD), kuru, transmissible creephalopathy (BSE), inflammation-associated amyloidosis, falline spongiform encephalopathy, non-transmissible creephalopathy (BSE), inflammation-associated amyloidosis, light chain-related amyloidosis, light formin the harveling minety of the conserve and are capable of binding specifically promediated indiagates. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present sequence is a peptide forming the amyloid targeting moiety of the agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide #2, used as a carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .;
0
plagues and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 34; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                            Claim 49; Page 21; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU11649 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |||||||
1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Green AM,
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유
```

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral heamorinage with amyloidosis of the Dutch type and heemorinagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11659, AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Corbn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D - amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid
                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                      ô
                                                                                                                                                                                                                                                                                                100.0%; Score 34; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chalifour RJ, Kong X;

    .7
    /note= "D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                Disclosure, Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE35439 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                     7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Abeta peptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                              1 KKLVFFA
                                                                                                                                                                                                                                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE35439;
                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE35439
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

Disclosure, Page 69; 143pp; English.

```
amyloid-beta; amyloid-beta related disease;

amyloid-beta fibril formation; immune response; nootropic;

amyloid-beta fibril formation; immune response; nootropic;

antipyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

anticonvulant; antidepressant; endocrine; hypnotic;

amyloid-beta fibril formation modulator; immune system modulator;

amyloid-beta fibril formation; hypothyroidism;

cerebral amyloid anglopathy; hereditary cerebral haemorrhage;

age-related macular degeneration; hypothyroidism;

cerebrovascular degeneration; hypothyroidism;

cerebrousscular deseneration; hypothyroidism;

cerebrousscular deseneration; neurological condition;

moderate condition;

moderate condition;

moderate condition;

moderate condition;

moderate condition;
angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA Tecactive) amyloid diseases including the formation of plaques. It is inflammatory disease e.g. rheumatorid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's clisease. Ad deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus infections (preferably leprosy, tuberculosis, bronchiectasis, disease).

Colerain malignant meoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 34; DB 6; Length 7; 100.0%; Pred. No. 1.88+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADQ37314 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADQ37314;
                                                                                                                                                                                                                                                                                                                                                                  invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AD03731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                       SSSSSSSSSSSSSSSSSS
```

```
The present invention describes compositions (C) comprising: (a) a limit a general (a) that pervents or treats amyloid-beta related disease; and (b) a second egent (a2) that is: (i) a peptide or peptidomimetic that a general against amyloid-beta fibril formation; or theirsee a prophylactic or modulates amyloid-beta fibril formation; or theirsee a prophylactic or their prevents or inhibite amyloid-beta (ii) an immune system modulator that prevents or inhibite amyloid-beta (fibra immune system modulator that prevents or inhibite amyloid-beta (fibril formation. Also described is a kit comprising (C). (C) have contropic, neuroprotective, extitovascular, tranquilliser, uropathic, anticonvulsant, antidepressant, endocrine and hyporica activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an immune system modulators. (C) can be used for preventing or treating anyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, vascular dementia, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, on the condition associated with Alzheimer's disease (including hypothyroidsm, cerebral haemorrhage, senile dementia, on you's anyloid angiopathy, hereditary cerebral haemorrhage, andiovascular (including hypothyroidsm, cerebral disease, cardiovascular disease, amyloid suprothyroidsm, cerebral disease, cardiovascular disease, amyloid sesse, anxiety, a behavioural dysimution (e.g. Huntington's continence); actorior of the deficits, incoordination, galt disturbance, reason, or incontinence); actorior of the deficits, incoordination, galt disturbance, sensory loss, and condition (e.g. dupression, disturbance, insomina, behavioural disturbance, respective, transient alertness, attention deficit, frequent falls, and the deficits, incoordination, galt discurbance, with leave and modulation, galt discurbance, insomina, behavioural discurbance, ins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; cerebroprotective; haemostatic; ophthalmological;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antibarkinsonlan; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                   The present invention describes compositions (C) comprising:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 34; DB 8; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AD037263 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADQ37263;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                임
```

ö

S

The present invention describes compositions (C) comprising: (a) a first agent (11) that prevents or treats amyloid-beta related disease; and (b) a genond agent (a2) that is: (i) a peptide or peptidenimetic that modulates amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta albril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have notrophic, neuroprotective, carebroprotective, heamostatic, ophthalmological, antithyroid vasotropic, cardiovascular, tranquilliser, notrophic, neuroprotective, and satisfaction and interportective, and satisfaction and interportective, and satisfaction and interportective, and satisfaction beta related disease e.g. Alzheimer's disease (including sporadic manus system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic manus system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic manual experience), a neurological angiopathy, hereditary or erebral heamorrhage, senile dementia, own's syndrome, inclusion body myositis, age-lelated macular disease, memory loss, anxiety, a behavioural disease, cardiovascular disease, memory loss, anxiety, a behavioural disease, printing or rincontinence), a neurological condition (e.g. apathy, agraciase amyotrophe, altered muscle tone, selzures, sensory loss, anxiety, a perapidate confidence, incondination, gait disturbance, transient ischaemic telad deficits, incoordination, gait disturbance, transient ischaemic strasser, or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural disease, veribence, transient alertness, attention deficit, progradial organical confidence or sensitivity, organical disease, soributed apposites the deficits, dependence and describence and describence and d senile dementia; Down's syndrome; inclusion body myositis; ger-related macular degeneration; hypothyroidism; cerebrovascular disease; cardiovascular disease; memory loss; anxiety; behavioural dysfunction; neurological condition; psychological condition; that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator. Composition for treating e.g. Alzheimer's disease comprises first agent /note= "D-form residues" Disclosure; Page 67; 143pp; English. Location/Qualifiers 24-DEC-2002; 2002US-0436379P 23-JUN-2003; 2003US-0482214P 24-DEC-2003; 2003WO-CA002021 (NEUR-) NEUROCHEM INT LTD. Bellini F; WPI; 2004-543342/52 Misc-difference 1 vaccine antigen. WO2004058239-A1 15-JUL-2004 Gervais F, Synthetic

```
present invention.
                                   Sequence 7 AA;
```

Sequence 9 AA;

The invention describes an isolated inhibitory peptide (1) which interacts with a hydrophobic beta-sheet forming cluster of amino acid cresidues on a protein or peptide for amyloid or amyloid-like deposit formation, and inhibits or structurally blocks the abnormal folding of proteins and peptides into amyloid or amyloid-like deposits and into optides into amyloid or amyloid-like deposits and into classases associated with abnormal protein folding into amyloid or amyloid or deposits, such as Alzahenimer's disease, bown's syndrome, other amyloidosis disorders, human prion diseases, such as kuru, Creutzfeldt-Jakob disease (UD), Gerstmann-Straussler-Scheinker syndrome (GSS), prion associated human neurodegenerative diseases as well as amimal prion diseases but as scrapie, spongiform encephalopathy, transmissible mink encephalopathy and chronic wasting disease of mule deer and elk. (I) is also useful for chronic wasting disease of mule deer and elk. (I) is also useful for chronic wasting disease of mule deer and elk. (I) is also useful for chronic manyloid associated with the inhibition of amyloid or amyloid like ö pathological beta-sheet-rich conformation; Down's syndrome; amyloidosis disorder; human prion disease; kuru; CJD; Creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; GSS; prion associated human neurodegenerative disease; animal prion disease; scrapie; spongiform encephalopathy; transmissible mink encephalopathy; Novel inhibitory peptides which inhibit and structurally block abnormal folding of protein into amyloid or amyloid-like deposit and into pathological beta-sheet rich conformation, useful for treating Alzheimer's disease. Gaps ö Amyloid formation; amyloid-like deposit; Alzheimer's disease; Length 7; 0; Indels Score 34; DB 8; I Pred. No. 1.8e+06; Mismatches Frangione B; Disclosure; Col 51-52; 51pp; English. 100.0%; sc. 100.0%; Pre ABU79063 standard; peptide; 9 AA. Aggregation blocking peptide #15. 96US-00766596. 95US-00478326. 96US-00630645. (UYNY) UNIV NEW YORK STATE. (first entry) Baumann MH, Query Match Best Local Similarity 100. chronic wasting disease. WPI; 2003-379012/36. ||||||| 1 KKLVFFA KKLVFFA US6462171-B1 Soto-Jara C, 17-JUN-2003 Unidentified 12-DEC-1996; 07-JUN-1995; 10-APR-1996; 08-OCT-2002, ABU79063; RESULT 8 ABU79063 ઢ 유

ABW00197;

σ RESULT

g

```
The invention relates to a human fusion antibody for preventing and treating senile dementia. The antibody recognises and binds the beta-amyloid peptide and the fibres generated by it. The human antibody FC segment recognized by human immunocells are sequentially contained by its terminals from to C. The fusion gene coding for the antibody is also disclosed. This sequence represents the sequence of a anti-beta-amyloid peptide antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid cardiomyopathy; isolated cardiomyopathy; isolated cardiac amyloidosis; systemic senile amyloidosis; insulinoma; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafiness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage.
                                                                                                                                                                                                                                                                                                                                                                                                                           Human fusion antibody for reducing cerebral amyloid fibers associated
                                                                                              fusion antibody; senile dementia; beta-amyloid peptide; fibre;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 277;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 31; DB 7; Length 277
Pred. No. 1.5e+02;
1; Mismatches 0; Indels
                                                               Beta-amyloid peptide antibody sequence #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beta-amyloid modulator peptide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 8; 26pp; Chinese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW02312 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            91.2%;
85.7%;
                                                                                                                                                                                                                                                           13-JUL-2001; 2001CN-00120278.
                                                                                                                                                                                                                                                                                              13-JUL-2001; 2001CN-00120278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.,
Lag 6; Conservative
                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     with senile dementia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :||||||
RKLVFFA 38
                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-442233/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                   Zhang J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 277 AA;
                                                                                                                                                                                                                                                                                                                                (ZHAN/) ZHANG X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-SEP-1996.
                                                                                                                                                          Unidentified
                                      06-MAY-2004
                                                                                                                                                                                             CN1396183-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                           immunocell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW02312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    32
                                                                                                                                                                                                                                                                                                                                                                   Zhang X,
   ADK82706;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW02312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to inhibitory peptide comprising a portion of at least three amino acid residues and a sequence predicted not to adopt a beta-sheet structure that associates with a hydrophobic beta-sheet cluster on a protein or peptide involved in the abnormal folding into a beta-sheet structure, to structurally block the abnormal folding into a protein or peptide. The inhibitory peptide is useful for preparing a composition for preventing, treating or detecting disorders or diseases associated with amyloid-like fibril deposits e.g. Alzheimer's disease and prion related encephalogathies. The invention is also useful in gene therapy. The present sequence is a peptide used in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New inhibitory peptide, useful for preparing a composition for diagnosing, preventing or treating disorders associated with amyloid-like fibril deposits, e.g. Alzheimer's disease, or prion related
                                         ö
                                                                                                                                                                                                                                                                                                                                    Amyloid-like fibril deposit; prion related encephalopathy; gene therapy;
Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
0
                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 34; DB 7; Length 9; 100.0%; Pred. No. 1.80+06; ive 0; Mismatches 0; Indels
          Length 9;
                                           Indels
          100.0%; Score 34; DB 6; I
100.0%; Pred. No. 1.8e+06;
                                             ;
0
                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Frangione B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADK82706 standard; protein; 277 AA.
                                                                                                                                                                                                                                                                                                         Peptide #15 used in the invention.
                                                                                                                                                                                                      ABW00197 standard; peptide; 9 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; Page 28; 52pp; English.
                                               ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95US-00478326.
96US-00630645.
96US-00766596.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-SEP-2002; 2002US-00235483.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYNY ) UNIV NEW YORK STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Baumann MH,
                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-616149/58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                encephalopathies
                                                                                                       |||||||
1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003087407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-1996;
12-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Soto-Jara C,
                                                                                                                                                                                                                                                                          15-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-MAY-2003
```

RESULT 10 ADK82706 ID ADK8 XX

셤 ò

ö

ö

```
05-DEC-2002 (first entry)
                                                                                                                                                 (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                 WPI; 1999-094964/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :||||||
1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2002098173-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7 AA;
                                                                               14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                  14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-JUL-2002.
                   29-DEC-1998,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABG71007;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABG71007
 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bAP.
                                                                                                                                                                                                                                                                                                                               AAW02110-W02332 represent the peptide portions of the beta-amyloid modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodaltor peptide that is the major protein component of amyloid plaques. Amyloid plaques are present both in the brain lesions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The amyloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a biotin containing group, or a fluorescein containing group. These compounds then modulate the aggregation of these sequences to natural amyloid proteins or peptides when contacted with the natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amyloidogenic proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with amyloidosis, such as familial amyloid cardiomyopathy, isolated cardiac amyloidosis, premic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creuzfeld-Jakob disease, adult-onset diabetes, insulinoma, familial Mediterranean fever, familial amyloid and other types of amyloidosis. The modulators are also useful for the treatment of disorders associated with beta-amyloidosis, especially Alzheimer's disease
                                                                                                                                Garnick MB, Gefter ML, Hundal A;
ner ER, Wakefield J, Reed MJ, Molineaux S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                 Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%; Score 30; DB 2; Length 7;
85.7%; Pred. No. 1.8e+06;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beta-amyloid peptide derivative A-beta-15-21.
                                                                                                                                Findeis MA, Benjamin H, Garnick MB,
Kasman L, Musso G, Signer ER, Wakef.
Kubasek W, Chin J, Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                   Claim 16; Page 91; 106pp; English.
                                                                                                                                                                                                                                                                  treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW89376 standard; peptide; 7 AA:
                               95US-00404831.
95US-00475579.
95US-00548998.
 96WO-US003492
                                                                                                 (PHAR-) PHARM PEPTIDES INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Conservative
                                                                                                                                                                                                  WPI; 1996-433762/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sapiens
                                                07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US5854204-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW89376;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ношо
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
```

ઠે 셤

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention describes beta-amyloid peptide (bAP) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. The bAP derivatives are also used to disgnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives. Some bAP derivatives inhibit bAP aggregation even when bAP is present in molar excess. The present sequence represents a bAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; familial amyloid cardiomyopathy; isolated cardiac amyloid; systemic senile amyloidosis; scrapie; myeloma; bovine spongiform encephathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Geretmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary cerebral haemorrhage with amyloidosis; Muckle-Wells syndrome; hereditary non-neuropathic systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New peptide(s) derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                            Hundal A, Gefter ML, Kasman L, Musso G, Molineaux S, Benjamin H;
Findeis MA, Chin J, Lee J, Kelley M, Reed M, Wakefield J;
Garnick MB, Kubasek W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 30; DB 2; I
Pred. No. 1.8e+06;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Long form beta-amyloid protein fragment #4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 12; Col 64; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABG71007 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    familial Mediterranean Fever.
                                                                               95US-00404831
96US-00612785
                                                                                                                                                              95US-00548998
                                                                                                                           95US-00475579
```

```
sapiens.
                                                                                                                    US6319498-B1
                                                                                                                                                                                                                                               14-MAR-1995;
                                                                                                                                                                                                      14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                        Findeis MA,
                                                                                                                                                                20-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADJ64058;
                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                              Kasman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
                                                             Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ64058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                             The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or compound modulators is used for treating a disorder associated with amyloidosis e.g. familial amyloid cardiomyopathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Dortuguese, Japanese consolated cardiomyopathy (Dortuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Dortuguese, Japanese corporation amyloidosis, Ceretzfeldt-Jakob disease, adult onset diabetes, Gerstmann-Straussler-Scheinker syndrome, insulinoma, isolated atrail amyloidosis, primary localised cutaneous carrial amyloidosis, familial Mediterranean Fever and familial condular amyloidosis, familial Mediterranean Fever and familial mayloidosis, familial and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemodialysis, hereditary non-europathic systemic amyloidosis of familial amyloidosis associated hereditary carcinoma of the thyroid, fibrinogen-associated beta-Aps camploid protein (beta-Am) aggregation of natural amyloidosis camploid protein (beta-amyloid used in the creation of an amyloid modulator. This sequence represents a fragment of the carcinoma contacted in the creation of an amyloid modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; noctropic; neuroprotective; immunosupressive, antimicrobial; auditory; antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; bown's syndrome;
                                                                                                                                                                                                                                                                                                               Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment coupled to a modifying group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                            , Benjamin H, Garnick MB, Gefter ML, Hundal A;
Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 30; DB 5; Length 7;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beta amyloid peptide (15-21) SEQ ID NO:7.
                                                                                                                                                                                                                                                                                                                                                                                                       Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB05155 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ٦;
                                                                      95US-00404831.
95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%;
                            04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-APR-2002 (first entry)
                                                                                                                                                                             (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KKLVFFA 7
                                                                                                                                                                                                                                                                                   WPI; 2002-697709/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7 AA;
                                                                      14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                      14-MAR-1996;
                                                                                                                                                                                                                         Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABB05155;
                                                                                                                                                                                                                                               Кавшап L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB05155
```

```
The present invention describes an amyloid modulator compound (I)

CC comprising an aggregation core domain and a modifying group attached to

CC comprising an authorist core domain and a modifying group attached to

it. (I) has nootropic, neuroprotective, immunosuppressive, antimicrobial,

CC antidiabetic, antipyratic, dermatological, cardiovascular, nephrotropic

and auditory activities, and can be used as a natural amyloid aggregation

CC inhibitor and a neurotoxicity inhibitor of natural bard amyloid aggregation

CC interact and an emucitority inhibitor of natural beta amyloid deposition such as

CC diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's

CC disease and other clinical occurrences of beta amyloid deposition such as

CC disease, syndrome individuals and in patients with hereditary cerebral

CC haemorrhage with amyloidosis, and for treating a disorder associated with

CC mayloidosis such as familial amyloid polyneuropathy. (I) reduces the

CC toxicity of natural beta AP aggregates to cultured neuronal cells. (I)

CC toxicity to reduce the neurotoxicity of performed A-beta fibrils. The

CC exemplification of the present invention

CC exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spongiform encephalopathy; czertemic senile amyloidosis; bovine spongiform encephalopathy; czeutzeldt-Jakob disease; derstmann-Straussler-Scheinker syndrome; diabetes; insulinoma; myeloma; Sjogren's syndrome;
amyloidogenic disease; beta amyloid deposition; amyloidosis;
hereditary cerebral haemorrhage; familial amyloid polyneuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , Benjamin H, Garnick MB, Gefter ML, Hunc
Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human beta-amyloid long form peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 30; DB 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure, Col 19; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADJ64058 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95US-00404831.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                             96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 OKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-1995;
27-OCT-1995;
```

ö

ò g

```
The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder associated with amyloidosis, particularly familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, crapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, gerapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, carapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, insulinoma, isolated atrial amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary localized cutaneous nodular amyloidosis associated with Sjogren's syndrome, reactive (secondary) amyloidosis, familial amyloidosis of celandic type, amyloidosphropathy with urticaria and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of celandial amyloid polyneuropathy III), familial amyloidosis (familial amyloidosis polyneuropathy III), familial amyloidosis (fibrinose associated contains amyloidosis contains and polyneuropathy III), familial amyloidosis (fibrinosen associated contains and contains amyloidosis contains and contains and contains amyloidosis contains amyloidosis contains amyloidosis contains and conta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The present sequence is beta-amyloid peptide fragment used
familial mediterranean fever; urticaria; deafness;
hereditary cerebral haemorrhage; haemodialysis; thyroid;
renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h Similarity 85.7%; Pred. No. 1.8e+06; 6; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gefter ML,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 12; SEQ ID NO 7; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Garnick MB,
                                                                                                                                                                                                                                                                                                                                                                                    95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                        17-JUN-2003; 2003US-00463729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                              95US-00404831
                                                                                 beta-amyloid peptide; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-131767/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                          US2004005307-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                              14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                       07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                  08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                             14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Кавшап L,
     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

ADQ37351 standard; peptide; 7 AA

Beta-amyloid modulator peptide.

07-OCT-2004 (first entry)

BX5XX

ADQ37351;

```
amyloid-beta; amyloid-beta related disease;

No samyloid-beta; amyloid-beta related disease;

No samyloid-beta; mani-lord-beta related disease;

No samitodocolar vecreenforcated manoranti; puritation modificat; manus response; modification modificat; manus system modulator;

No sandidocolar disease; midi cognitiva impairment; wasuliar demonstale;

No sandidocolar disease; midi cognitiva impairment; wasuliar demonstale;

No sandidocolar disease; midi cognitiva impairment; wasuliar demonstale;

No sandidocolar disease; manifi cognitiva impairment; wasuliar demonstale;

No sandidocolar disease; manifi cognitiva impairment; wasuliar demonstale;

No sandidocolar disease; manifi cognitiva impairment; wasuliar demonstale;

No cerebrowascular disease; candidocolar disease; manora position;

No cerebrowascular disease; candidocolar disease; manora position;

No cerebrowascular disease; candidocolar disease; manora position;

No condostion for trasting e.g. Altheirer's disease comprises first agent that prevents or trasts anyloid-beta fibril by.

No condostion for trasting e.g. Altheirer's disease comprises first agent that is either a peptido or peptidominetic or an immune system modulator.

No condostion for trasting e.g. Altheirer's disease comprises first agent that is either a peptido or peptidominetic or indices a prophylatic or composition for trasting e.g. Bellini P.

No condostion for trasting e.g. Altheirer's disease prophylatic or composition for trasting e.g. Bellini P.

No condostion for trasting e.g. Altheirer's disease prophylatic e.g. disease and second agent composition for indices a prophylatic or composition or indices a prophylatic entry of composition or indices a prophylatic or composition or indices a prophylatic or composition or indices a prophylatic or conditions and composition or indices a prophylatic or conditions and conditions and proper and conditions and proper and composition or indices a prophylatic or conditions and proper and proper and proper and proper and prophylatic disease modula
```

Matches

8

88888888

RESULT 17 AAW02310

```
95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     96US-00612785.
                                                                                                                                                                                                                    88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-MAR-1999 (first entry)
                                                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-094964/08.
                                                                                                                                                   Alzheimer's disease
                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                       7
                                                                                                                                                                                                                                                                                                                         OKLVFFA 8
                                                                                                                                                                                                                                                                                       1 KKLVFFA
                                                                                                                                                                                       Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US5854204-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW89374;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo
                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                               RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                AAW89374
                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              modulator words represent the peptide portions of the beta-amyloid modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of amyloid the plaques. Amyloid plaques are present both in the brain lesions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The amyloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a fluctin containing group, or a flucescein containing group. These compounds then modulate the aggregation of these sequences to natural amyloid proteins or peptides when contacted with the natural
                                                                                                                                                                             ô
excessive guilt)) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposits. The present sequence represents a beta-amyloid modulator peptide which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiamyloidosis; systemic senile amyloidosis; insulinoma; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafiness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , Benjamin H, Garnick MB, Gefter ML, Hundal A;
Musso G, Signer ER, Wakefield J, Reed MJ, Molineaux S;
Chin J, Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                             Gaps
                                                                                                                                                                             ö
                                                                                                                                                                              0; Indels
                                                                                                                                            Length 7;
                                                                                                                                          88.2%; Score 30; DB 8; I
85.7%; Pred. No. 1.8e+06;
iive 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 16; Page 90; 106pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                         Beta-amyloid modulator peptide #1.
                                                                                                                                                                                                                                                                                                                                      AAW02310 standard; peptide; 8 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96WO-US003492.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PHAR-) PHARM PEPTIDES INC.
                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1996-433762/43
                                                                                                                                                                                                                   7
                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                 QKĽVFFA 7
                                                                               present invention
                                                                                                                                                                                                                    1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                               Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9628471-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                         02-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Кавшап L, I
Киравек W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                            AAW02310;
```

```
The present invention describes beta-amyloid peptide (bAP) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also bown's syndrome, familial amyloid polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and creutzfeldt-Jakob disease. The bAP derivatives are also used to disagnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives inhibit bAP aggregation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bAP.
amyloidogenic proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with amyloidosis, such as familial amyloid cardiacomyopathy, familial amyloid cardiacomyopathy, isolated cardiac amyloidosis, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, adult-onset diabetes, insulinoma, familial Mediterranean fewer, familial amyloid emphropathy with urticaria and deafhess, hereditary cerebral haemorrhage and other types of amyloidosis. The modulators are also useful for the treatment of disorders associated with beta-amyloidosis, especially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New peptide(s). derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hundal A, Gefter ML, Kasman L, Musso G, Molineaux S, Benjamin H;
Findeis MA, Chin J, Lee J, Kelley M, Reed M, Wakefield J;
Garnick MB, Kubasek W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 30; DB 2; Length 8; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beta-amyloid peptide derivative A-beta-14-21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 12; Col 64; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW89374 standard; peptide; 8 AA.
```

```
nodular amyloidosis associated with Sjogren's syndrome, reactive
                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo
                                                                                                                                                                                                                                                                                                                                              RESULT 20
                                                                                                                                                                                                                                                                                                                                                         ABB05153
ID ABBC
 856666666666666655588
                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                           ö
even when bAP is present in molar excess. The present sequence represents a bAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or peptides. The modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid oradiomyopathy (Portuguese, Japanese and Swediash types), familial amyloid cardiomyopathy (Portuguese, Japanese spongiform encephalopathy, Creutzfeldt-Jakob disease, adult onset spongiform encephalopathy, Creutzfeldt-Jakob disease, adult onset diabetes, Gertaman-Straussler-Scheinker syndrome, insulinoma, isolated atrial amyloidosis, diopathic (primary) amyloidosis, myeloma or macroglobulinaemia-associated amyloidosis, primary localised cutaneous
                                                                                                                                                                                                                                                                                                                             familial amyloid polyneuropathy; familial amyloid cardiomypathy; isolated cardiac amyloid, systemic senils amyloid cardiomypathy; boxine scardiac amyloid, systemic senils amyloidosis, scrapie; myeloma; boxine spongiform encephalopathy; BES; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary cerebral haemorrhage with amyloidosis; Muckle-Wells syndrome;
                                                                                           Gapa
                                                                                                                                                                                                                                                                                                                    Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis;
                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gefter ML, Hundal A;
leld J, Reed MJ;
                                                                                        Indels
                                                                 DB 2; Length 8;
                                                                Score 30; DB 2; Ler
Pred. No. 1.8e+06;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                        hereditary non-neuropathic systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Musso G, Signer ER, Wakefield J,
                                                                                                                                                                                                                                                                                        Long form beta-amyloid protein fragment #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Garnick MB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                           ABG71005 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95US-00404831.
95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    familial Mediterranean Fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        coupled to a modifying group
                                                              88.2%;
                                                                                                                                                                                                                                                                05-DEC-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRAE-) PRAECIS PHARM INC
                                                                                           6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-697709/75.
                                                                                                                  1 KKLVFFA 7
                                                                           Best Local Similarity
Matches 6; Conser
                                                                                                                                       OKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2002098173-A1.
                                       Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Кавтап L,
                                                                                                                                                                                                                                      ABG71005;
                                                              Query Match
                                                                                                                                                                                  RESULT 19
                                                                                                                                                                                                ABG71005
SXXS
                                                                                                                                            유
                                                                                                                  8
```

```
ö
decondary) amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urticaria and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemodialysis, hereditary nonneuropathic systemic amyloidosis (familial amyloidosis associated with medullary carcinoma of the thyroid, fibrinogen-associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The compound is capable of altering and inhibiting beta-amyloid protein (beta-AP) aggregation of natural amyloidosis, protein sor peptides when contacted with a molar excess amount of natural beta-APs relative to the modulator. This sequence represents a fragment of the long form of beta-amyloid used in the creation of an amyloid modulator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes an amyloid modulator compound (I) comprising an aggregation core domain and a modifying group attached to it. (I) has nootropic, neuroprotective, immunosuppressive, antimicrobial,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              disease such as Alzheimer's disease comprises an aggregation core domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobial; auditory; antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorxhage; familial amyloid polyneuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amyloid modulator compound useful for treatment of an amyloidogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      c MB, Gefter ML, Hund
Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 30; DB 5; 1
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beta amyloid peptide (14-21) SEQ ID NO:5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Garnick MB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Col 18; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB05153 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Signer ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PRAE-) PRAECIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Musso G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 QKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US6319498-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-0CT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kasman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB05153;
```

```
antidiabetic, antipyretic, dermatological, cardiovascular, nephrotropic and auditory activities, and can be used as a natural amyloid aggregation (inhibitor and a neurotoxicity inhibitor of natural beta amyloid peptide (beta-Ap). (I) are used in the manufacture of a medicament for the diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's disease and other clinical occurrences of beta amyloid deposition such as comorrhage with amyloidosis, and for treating a myloid deposition such as amyloidosis such as familial amyloid polymeuropathy. (I) reduces the amyloidosis such as familial amyloid polymeuropathy. (I) reduces the amyloidosis such as familial amyloid polymeuropathy. (I) reduces the concity of natural beta-AP aggregates to cultured neuronal cells. (I) cont only reduces the formation of neurotoxic aggregates but also have the ability to reduce the neurotoxicity of performed A-beta fibrils. The company of the present a beta-AP peptide, which is used in the company of the present invention
                                                                                                                                                                                                                                                                                                                                                                         ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          familial amyloid polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spondyform encephalopathy; creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; diabetes; insulinoma; myeloma; Sjogren's syndrome; familial mediterraneam fever; urticaria; deafness; hereitaly cerebral haemorthage; heemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis; beta-amyloid peptide; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                         ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hundal A;
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                               88.2%; Score 30; DB 5; Length 8; 85.7%; Pred. No. 1.8e+06; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human beta-amyloid long form peptide fragment #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amyloidogenic protein; therapy; amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADJ64056 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-JUN-2003; 2003US-00463729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-131767/13
                                                                                                                                                                                                                                                                                                                                                                                                                   1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 OKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2004005307-A1.
                                                                                                                                                                                                                                                                                                       Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JUN-1995;
27-OCT-1995;
14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADJ64056;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADJ64056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8×3333333333333333
                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

Example 12; SEQ ID NO 5; 52pp; English.

```
The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder associated with amyloidosis, particularly familial amyloid oblyneuropathy (C ansociated with amyloidosis, particularly familial amyloid cardiomyopathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (C famish type), isolated cardiac amyloid, systemic senile amyloidosis, corapie, bovine spongiform encephalopathy, Creutzfeldt_Jakob disease, CC Gerstmann-Straussler-Scheinker syndrome, adult onset diabetes, amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary coralized cutaneous nodular amyloidosis, idiopathic (primary) amyloidosis, familial Mediterranean Fever Syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urticaria and deafness (Mucklericalary correptant) hereditary cerebral heemorrhage with mayloidosis of Finnish type, amyloidosis of polyneuropathic systemic amyloidosis of Finnish type, amyloidosis of Finnish type, amyloidosis of Finnish type, amyloidosis corained with medulialary carcinoma of the thyroid, fibrinogen amyloidosis and lysozyme-associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic control of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amyloiu-beta; amyloiu-beca transcent arganges; nootropic; amyloid-beta fibril formation; immune response; nootropic; neuropatenticy; neuropatenticy; antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; vascular dementia; erebral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; bown's syndrome; inclusion body myositis; age-related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          y Match 88.2%; Score 30; DB 8; Length 8; Local Similarity 85.7%; Pred. No. 1.8e+06; hes 6; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ37349 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2002US-0436379P.
2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 OKLVPFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-DEC-2002;
23-JUN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ37349;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9899999999999999999999999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

cpds. that

us-10-009-122-2.rag

```
forms of amyloid precursor proteins comprising from the 5' to the 3' end a sequence encoding a marker and either (1) a sequence encoding the N-terminus of an amyloid precursor protein (APP) up to, but not including, the nucleotides encoding the beta amyloid protein (BAP) domain or (2) the BAP domain; or the two ligated together, can be used to detect drugs or compounds that inhibit/augment the activity of proteolytic enzymes which cleave APP to generate BAP fragments (deposition of which occurs in patients with Alzheimesa disease and Down's syndrome). This is a fragment of amyloid precursor protein containing a mutation which is associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Recombinant polypeptides produced using the coding sequences of mutant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                            New mutant forms of amyloid precursor protein - for detecting cpds. modify activity of enzymes involved in precursor cleavage, also new nucleic acid encoding them.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.2%; Score 30; DB 2; Length 9; 85.7%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     with diseases involving BAP deposition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 35; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB48493 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antifibrillogenic peptide #20.
                                                                                                     93AU-00038358
                                                                                                                                                92US-00877675
                                                                                                                                                                                                 (AMCY ) AMERICAN CYANAMID CO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                              Vitek MP, Jacobsen JS;
                                                                                                                                                                                                                                                                                               WPI; 1993-406194/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                        N-PSDB; AA054267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Modified-site
                                                                                                     03-MAY-1993;
                                                                                                                                                   01-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens,
       AU9338358-A.
                                                  04-NOV-1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB48493;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 24
AAB48493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes compositions (C) comprising: (a) a first cagent (a1) that prevents or treate amyloid-beta related disease; and (b) condulates amyloid-beta fibril formation or induces a prophylactic or medulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta intibil formation or induces a prophylactic or fibril formation, or (ii) an immune system modulator that prevents or inhibits amyloid-beta (ii) an immune system modulator that prevents or inhibits amyloid-beta (iii) an immune system modulator that prevents or inhibits amyloid-beta (iii) an immune system modulator that prevents or inhibits amyloid-beta (c) contropic, neuroperic, anti-thyroid, vasotropic, cardiavascular, tranquilliser, uropathic, anticonvulasmit, anti-thyroid, vasotropic, cardiavascular, tranquilliser, neuroleptic, cardiaut, antidepressant, endocrime and hypnotic activities, and and the contropic cardiaut, antidepressant, endocrime and hypnotic activities, and the contropic cardiaut, antidepressant, endocrime and hypnotic activities, or and can be used as amyloid-beta fibril formation modulators, contropic, and the contropic or condition associated with Alzheimer's disease (including hyporthyroidsmic associated with Alzheimer's disease, cardiovascular or degeneration, or a condition associated with Alzheimer's disease, dementia, or incontinence), a neurological condition (e.g. apathy, alsease, amyotrophic lateral sclerosis, actuaries, sensory loss, anxiety, a behavioural dysfunction (e.g. apathy, alsease, amyotrophic lateral aclerosis, actuaries, sensory loss, united muscle tone, seizures, sensory loss, united muscle tone, seizures, association for disease, amyotrophic lateral aclerosis, actuaries, and accordination, gardiaction, described, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, had an envelopical condition, sead disease, amyotrope, neuroleptic sensity anyloid-beta deposites. The present sensor poor insight, and d
                                             Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.2%; Score 30; DB 8; Length 8; 85.7%; Pred. No. 1.8e+06; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mutant amyloid precursor protein fragment.
                                                                                                                                           Disclosure; Page 87; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAR45239 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.7
Matches 6; Conservative
WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :[|||||
2 QKLVFFA 8
```

Sequence 8 AA;

ö

Gaps

ö

0; Indels

04-MAY-2000; 2000WO-CA000515.

Amyloid precursor protein; APP; beta amyloid protein; BAP; detection; Alzheimer's disease; Down's syndrome.

Homo sapiens

20-JUN-1994 AAR45239;

RESULT 23 AAR4523

ઠે 셤 99US-0132592P

05-MAY-1999;

(NEUR-) NEUROCHEM INC

Gupta A;

Gervais F,

Chalifour R,

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's
disease comprises contacting blood vessel wall cell with amyloid-beta 40
                                                                                                                                               Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide #20, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                           Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                 Score 30; DB 4; Length 9;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU11667 standard; peptide; 9 AA.
                                                                                                                            Claim 7; Page 25; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                       88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                    Local Similarity 85.7
nes 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                              3 OKLVEFA 9
                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                              Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU11667;
                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU11667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ద
ò
```

```
The present invention describes a method (MI) for analysing cleavage of a CC polymer. MI comprises: (a) providing a sample of the polymer, a portion composition on the polymer molecules having been labeled at a position on ne side of the polymer molecules having been labeled at a position on the opposite composition on the polymer molecules having been labeled at a position on the opposite the potential cleavage site with a second isotopic label; (b) side of the potential cleavage site with a second isotopic label; (b) concubating the sample under conditions suitable for cleavage at the conditions suitable for cleavage at the conditions suitable for cleavage at the conditions suitable for analysing hether and/or where cleavage has taken place. MI is useful for analysing cleavage of a where the polymer, where is a linear polymer, and comprises a peptide composition, whethods from the present invention can be used in discovering or protein. Methods from the present invention can be used in discovering conditions improved synthetic substrates for both known and unknown enzymes, conseruit to identify new substrates for enzymes, in screening methods are also conserved in the sequence origin, and in screening methods conserved inherities, in in vivo/ex vivo/in vitro peptide, and in assaying methods for coligonucleotide or peptide sequencing and in measuring differential
                                                                                                                                                                                                                                                                                      ö
can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAUI1648-AAUI1659, AAUI1919) & AAUI1611) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid anglopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Analyzing cleavage of polymer, by providing polymer sample, incubating the sample with labeled isocope for cleavage at potential cleavage site, and analyzing the masses of any uncleaved fragments by mass spectrometry.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mass spectrometry; polymer; analysis; cleavage; substrate specificity; isotope; protease.
                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Differentially isotopically labelled (DiMaS) peptide #10.
                                                                                                                                                                                                                                           Score 30; DB 5; Length 9;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 3; Page 26; 73pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABP57517 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-JUN-2002; 2002WO-GB002921.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-JUN-2001; 2001GB-00015581
                                                                                                                                                                                                                                                    88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-184066/18.
                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                          1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2003001206-A1
                                                                                                                                                                                                             Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-APR-2003
                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABP57517;
                                                                                                                                                                                                                                                        Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8×8888888×8
                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                 8
```

ö

Gaps ;

```
The invention describes an isolated inhibitory peptide (I) which interacts with a hydrophobic beta-sheet forming cluster of amino acid residues on a protein or peptide for amyloid -like deposit formation, and inhibits or structurally blocks the abnormal folding of proteins and peptides into amyloid or amyloid-like deposits and into pathological beta-sheet-rich conformation. (I) is useful for disorders or diseases associated with abnormal protein folding into amyloid or amyloid-like deposits, such as Alzheimer's disease, Down's syndrome, other amyloidosis disorders, human prion diseases, such as kuru, Creutzfeldt-Jakob disease (CDD), Gerstmann-Straussler-Schainker syndrome (GSS), prion associated human neurodegenerative diseases as well as animal prion diseases such as crapie, spongiform encephalopathy, transmissible mink encephalopathy and chronic wasting disease of mule deer and elk. (I) is also useful for detecting and diagnosing the presence or absence of amyloid or amyloid-
                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amyloid formation; amyloid-like deposit; Alzheimer's disease; pathological beta-sheet-rich conformation; Down's syndrome; amyloidosis disorder; human prion disease; kuru; CJD; Creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; GSS; prion associated human neurodegenerative disease; animal prion disease; scrapie; spongiform encephalopathy; transmissible mink encephalopathy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel inhibitory peptides which inhibit and structurally block abnormal folding of protein into amyloid or amyloid-like deposit and into pathological beta-sheet rich conformation, useful for treating Alzheimer's disease
protein expression. The methods are useful for monitoring the cleavage polypeptides or polymucleotides, and for determining optimal polymer substrates. ABP57505 to ABP57605 represent peptides used in the exemplification of the present invention.
                                                                                                                                                                        Gaps
                                                                                                                                                                      ö
                                                                                                                                 Score 30; DB 6; Length 9;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Baumann MH, Frangione B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Col 47-48; 51pp; English
                                                                                                                                                                                                                                                                                                                                         ABU79053 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Aggregation blocking peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9613-00766596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96US-00630645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95US-00478326
                                                                                                                               88.2%;
ilarity 85.7%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYNY ) UNIV NEW YORK STATE.
                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              chronic wasting disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-379012/36.
                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                               3 OKLVPFA 9
                                                                                              Ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Soto-Jara C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-APR-1996;
                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-OCT-2002
                                                                                            Sequence 9
                                                                                                                                                                                                                                                                                                                                                                              ABU79053;
                                                                                                                                                   Best Loc
Matches
                                                                                                                                                                                                                                                                                                    RESULT 27
                                                                                                                                                                                                                                                                                                                           ABU79053
ន្តដ្ឋប្រជុន្ធ
```

```
The invention relates to a method for prevention and/or treatment of an amploid-related disease which comprises administration of an all-D - amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and tavours the clearance of soluble amyloid-beta in a mammal and the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus culcers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits
                                                                                                                                                             ö
like deposits in vivo and its precursors. This is the amino acid sequence of peptide associated with the inhibition of amyloid or amyloid like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chon's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; choront pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                             ö
                                                                                                                                                           0; Indels
                                                                                                                      Length 9;
                                                                                                                    88.2%; Score 30; DB 6; Le
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chalifour RJ, Kong X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                            AAE35436 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 58; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2001; 2001US-00867847.
                                                                                                                      88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                        17-JUN-2003 (first entry)
                                                                                                                                                           6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-201269/19.
                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Misc-difference 1.
                                                                                                                                                                                                     ø
                                                                                                                                                                                                   1 KKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200296937-A2
                                                                              Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                 AAE35436;
                                           deposits
                                                                                                                      Query Match
                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                    RESULT 28
AAE35436
  ន្តដូន្ធន
                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                      셤
```

amyloid beta peptide; vaccine; immunisation; neuroprotective;

Alzheimer's disease

WO2004006861-A2.

Synthetic.

22-JAN-2004

Amyloid beta peptide SEQ ID NO:28.

(first entry)

22-APR-2004

ADI35874;

ADI35874 standard; peptide; 9 AA.

RESULT 30

1 KKLVFF 6

(MIND-) MINDSET BIOPHARMACEUTICALS INC.

Chain DG, Fitzer-Attas C;

WPI; 2004-122759/12.

16-JUL-2003; 2003WO-US022280.

```
The invention relates to inhibitory peptide comprising a portion of at least three amino acid residues and a sequence predicted not to adopt a beta-sheet structure that associates with a hydrophobic beta-sheet cluster on a protein or peptide involved in the abnormal folding into a beta-sheet structure, to structurally block the abnormal folding into a protein or peptide. The inhibitory peptide is useful for preparing a composition for preventing, treating or detecting disorders or diseases associated with amyloid-like fibril deposits e.g. Alzheimer's disease and prion related encephalopathies. The invention is also useful in gene therapy. The present sequence is a peptide used in the invention
                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New inhibitory peptide, useful for preparing a composition for diagnosing, preventing or treating disorders associated with amyloid-like fibril deposits, e.g. Alzheimer's disease, or prion related
including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid-like fibril deposit; prion related encephalopathy; gene therapy;
                                                                                                                                                 Gaps
                                                                                                                                                 ö
                                                                                                                                                 0; Indels
                                                                                                                     Length 9;
                                                                                                                Score 30; DB 6; L
Pred. No. 1.8e+06;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Baumann MH, Frangione B;
                                                                                                                                                                                                                                                                                            ABW00187 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                     Peptide #5 used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 25; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-00478326.
96US-00630645.
96US-00766596.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-SEP-2002; 2002US-00235483
                                                                                                                     88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYNY ) UNIV NEW YORK STATE.
                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                     Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                     Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-616149/58.
                                                                                                                                                                                                   :||||||
QKLVFFA 9
                                                                                                                                                                                  1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     encephalopathies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003087407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 9 AA;
                                                                                         Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-JUN-1995;
10-APR-1996;
12-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Soto-Jara C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unidentified.
                                                                                                                                                                                                                                                                                                                                                         15-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAY-2003
                                                         invention
                                                                                                                                                                                                                                                                                                                             ABW00187;
                                                                                                                                                                                                                                                                 RESULT 29
                                                                                                                                                                                                                                                                                                                             8888888
                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                셤
```

```
The present invention describes an isolated amyloid beta peptide or its chomologue which is selected by a method comprising: (a) determining the homologue which is selected by a method comprising: (a) determining the binding value of each amino acid of a myloid beta peptide companies to a Hind class I and/or class II molecule of interest; (b) determining the resulting score of all amino acids of the subsequence, cased on the binding value of each amino acids obtained in step (1); and comparing the resulting score to a preselected value. Also described: (c) comparing the reaction of each amino acids obtained in step (1); and correct comprising the isolated amyloid beta peptide and a carrier or diluent; (2) determining T-cell epitopes within amyloid beta peptide: (3) predicting the reaction of an individual to a vaccine; (4) matching a composition of an individual based on the HLA haplotype of the individual; (5) a kit for matching a vaccine comprising amyloid beta peptide to an individual based on the HLA haplotype of the individual; (c) and (d) preventing the formation or progression of amyloid plaques. The amyloid beta amyloid beta peptide is useful for preparing a composition comprises. The amyloid beta amyloid beta peptide is useful for preparing a composition of preventing the formation or progression of amyloid plaques for preventing the formation or progression of amyloid plaques for preventing or treating Alzheimer's disease. The present sequence corrected in an example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New amyloid beta peptide, useful for preparing a composition for preventing the formation or progression of amyloid plaques for preventing or treating Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 30; DB 8; Length 9; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; SEQ ID NO 28; 69pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loca
Matches
ઠે
```

:|||||| 3 OKLVFFA

엄

ö

Gaps

ö

Indels

88.2%; Score 30; DB 7; Length 9;

100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0;

6; Conservative

Query Match Best Local Similarity Matches 6; Conserv

RESULT 31 ADQ37260

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) as second agent (a2) that is: (i) a peptide or peptidenimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation, or (ii) an immune system modulator that prevents or inhibits amyloid-beta fibril formation, or corropic, neuroprotective, cerebroprotective, haemostatic, opothalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, uropathic, anticonvulsant, anti-HIV, antiparkinsonian, muscular, ouropathic, anticonvulsant, anti-HIV, antiparkinsonian muscular, cardiorist, anticonvulsant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzaheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, amyloid angiopathy, hereditary perebral hemorrhage, senile dementia, correction, or a condition associated with Alzaheimer's disease (including hypothyroidism, cerebral hemorrhage, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's aggression, or incontinence), a neurological condition (e.g. Huntington's
                                                                                                                                                                      CW
amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
A meuroprotective; cerebroprotective; haemostatic; ophthalmological;
A metityprodicy vasotropic; cardiovascular; tranquilliser; uropathic;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HTV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment; vascular dementia;
antid-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
age-related macular degeneration; hypothyroidism;
cerebrovascular degeneration; hypothyroidism;
cerebrovascular deseneration; neurological condition;
cerebrovascular degeneration; neurological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                       Vaccine antigen amyloid-beta related amino acid sequence.

    .9
    /note= "D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 67; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
ADQ37260 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NEUR-) NEUROCHEM INT LTD.
                                                                                        07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                             ADQ37260;
```

```
disease, amyotrophic lateral sclerosis, acquired immunodeficiency,
barkinson's disease, aphasia, apraxia, agnosia, Pick disease, dementia
with Lewy bodies, altered muscle tone, seazures, sensory loss, visual
field deficite, incoordination, gait disturbance, transient ischaemic
attack or stroke, transient alertness, attention deficit, frequent falls,
contack or stroke, transient alertness, attention deficit, frequent falls,
contack or stroke, transient alertness, attention deficit, frequent falls,
contack neuroleptic sensitivity, normal pressure hydrocephalus, subdural
contact or, hallucination, sexual disorder, weight loss, psychosis, a sleep
contact or, hallucination, sexual disorder, weight loss, psychosis, a sleep
contact or, hallucination, sexual disorder, weight loss, psychosis, a sleep
contact or, hallucination, sexual disorder, weight loss, psychosis, a sleep
contact or, hallucination, entriability, anhedonia, social withdrawal, or
contact or approach of the sequence represents a peptide
contact or approach deposits. The present sequence represents a peptide
that can be used as a vaccine antigen in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; cerebroprotective; haemostatic; ophthalmological;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
mild-to-moderate cognitive impairment;
erebral amyloid angiopathy; hereditary cerebral haemorrhage;
eerile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
behavioural disease; cardiovascular disease; memory loss; anxiety;
behavioural, dysfunction; neurological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                            Score 30; DB 8; Length 9;
Pred. No. 1.8e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ37332 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                      present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                          Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADQ37332;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 32
        d
d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
```

Yednock T;

Vasquez NJ,

Bard F,

Schenk DB,

26-MAY-2000; 2000WO-US014810.

WO200072880-A2

07-DEC-2000

99US-00322289

28-MAY-1999;

NEUR-) NEURALAB LID

WPI; 2001-032104/04.

```
Amyloid deposit; APP; Abeta; brain; human; clearing response; nootropic; Fc receptor mediated phagocytosis; immunogenic response; neuroprotective; amyloid precursor protein; Alzheimer's disease.
           Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human APP derived immunogenic peptide #22.
                                               Disclosure; Page 70; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB46226 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-APR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
WPI; 2004-543342/52
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 OKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB46226;
                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB46226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

```
disease associated with amyloid deposits of amyloid precursor protein (APP) Abeta fragments in the brain of a patient, which comprises administering to the patient: (a) an antibody that binds to Abeta, the antibody binds to an amyloid deposit and induces a clearing response (Foreceptor mediated phagocytosis) against it (b) a polypeptide containing an N-terminal segment of at least residues 1.5 of Abeta; or (c) an agent that induces an immunogenic response against residues 1.3 to 7-11 of Abeta. The products of the invention have nootropic and neuroprotective activity. The method is also useful for monitoring a course of treatment being administered to a patient e.g. active and passive immunization. The Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amyloid deposit; APP; Abeta; brain; human; clearing response; nootropic; Fc receptor mediated phagocytosis; immunogenic response; neuroprotective; amyloid precursor protein; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                               Preventing or treating a disease associated with amyloid deposits, especially Alzheimer's disease, comprises administering amyloid specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 30; DB 4; Length 10; Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. 12;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human APP derived immunogenic peptide #21.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Fig 19; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB46225 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-MAY-2000; 2000WO-US014810.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-00322289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-APR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 OKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200072880-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-DEC-2000,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB46225;
                                                                                                                                                                                                                                                                                                                                                                                               antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB46225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                        The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that characteristic or therapeutic immune response against amyloid-beta fibril formation, or induces a prophylactic or (ii) an immune system modulator that prevents or inhibite amyloid-beta fibril formation modulators. (c) have not that indiconvolamet, antichyloid-beta fibril formation modulators, and as immune system modulators. (c) can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (c) can be used as myloid-beta fibril formation modulators, and as immune system modulators. (c) can be used for preventing or treating an amyloid-beta related disease e.g. Altheimer's disease (including sporadic for myloid-beta related disease e.g. Altheimer's disease (including sporadic myloid-beta related disease e.g. Altheimer's disease (including sporadic myloid-abety) or mid cognitive impairment, vascular dementia, complexed, and anyloid-abety disease, and as anyloid-abety disease, and as anyloid-abety, a meurological condition escalar disease, amyotrophic lateral solerois, acquired immunodeficiency, disease, mony loss, anxiety, a behavioural dysfunction (e.g. dputhing of sease, amyotrophic lateral solerois, acquired immunodeficiency, extrasion, and sease, apparation, extrasion, allocation, extrasion, and proposition, extral disorder, weight condition in anyloid precursor protein gene, an antificial myloidosis inhibiting apeptide can be used as an antifibration and proper proper protein 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 30; DB 8; Length 9; Pred. No. 1.8e+06; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%;
```

ö

Gaps . 0

0; Indels

Vasquez NJ, Yednock T;

Bard F,

Schenk DB,

(NEUR-) NEURALAB LID.

```
ö
                                                                                                                                          This invention describes a novel method of preventing or treating a disease associated with amyloid deposits of amyloid precursor protein chepp. Abeta fragments in the brain of a patient, which comprises administering to the patient: (a) an antibody that binds to Abeta, the antibody binds to an amyloid deposit and induces a clearing response (For receptor mediated phagocytosis) against it (b) a polypeptide containing an N-terminal segment of at least residues 1-5 chabeta, or (c) an agent that induces an immunogenic response against residues 1-3 to 7-11 of Abeta. The products of the invention have nootropic and neuroprotective activity. The method is also useful for monitoring a course of treatment being administered to a patient e.g. active and passive immunization. The Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amyloid deposit; APP; Abeta; brain; human; clearing response; nootropic; Fc receptor mediated phagocytosis; immunogenic response; neuroprotective; amyloid precursor protein; Alzheimer's disease.
                                              Preventing or treating a disease associated with amyloid deposits, especially Alzheimer's disease, comprises administering amyloid specific antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Preventing or treating a disease associated with amyloid deposits, especially Alzheimer's disease, comprises administering amyloid specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes a novel method of preventing or treating a disease associated with amyloid deposits of amyloid precursor protein (APP) Abeta fragments in the brain of a patient, which comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                  Score 30; DB 4; Length 10;
Pred. No. 12;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Yednock T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human APP derived immunogenic peptide #20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Fig 19; 143pp; English.
                                                                                                                Disclosure; Fig 19; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB46224 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vasquez NJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-MAY-2000; 2000WO-US014810
                                                                                                                                                                                                                                                                                                                                                                                                                  88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99US-00322289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity 85. مانات
المانات 6، Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NEUR-) NEURALAB LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bard F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-032104/04.
             WPI; 2001-032104/04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 OKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200072880-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Schenk DB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB46224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB4622
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amyloid deposit; APP; Abeta; brain; human; clearing response; nootropic; Fc receptor mediated phagocytosis; immunogenic response; neuroprotective; amyloid precursor protein; Alzheimer's disease.
administering to the patient: (a) an antibody that binds to Abeta, the antibody binds to an amyloid deposit and induces a clearing response (Fc receptor mediated phagocytosis) against it (b) a polypeptide containing an N-terminal segment of at least residues 1-5 of Abeta; or (c) an agent that induces an immunogenic response against residues 1-3 to 7-11 of Abeta. The products of the invention have noortropic and neuroprotective activity. The method is also useful for monitoring a course of treatment being administered to a patient e.g. active and passive immunization. The Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           activity. The method is also useful for monitoring a course of treatment being administered to a patient e.g. active and passive immunization. The methods are useful for prophylactic and therapeutic treatment of Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel method of preventing or treating a disease associated with amyloid deposits of amyloid precursor protein (APP) Abera fragments in the brain of a patient, which comprises administering to the patient: (a) an antibody that binds to Abeta, the antibody binds to an amyloid deposit and induces a clearing response (FC receptor mediated phagocytosis) against it (b) a polypeptide containing an N-terminal segment of at least residues 1-5 of Abeta, or (c) an agent that induces an immunogenic response against residues 1-3 to 7-11 of Abeta. The products of the invention have nootropic and neuroprotective
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Preventing or treating a disease associated with amyloid deposits, especially Alzheimer's disease, comprises administering amyloid specific
                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                    4; Length 10;
                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Yednock T;
                                                                                                                                                                                                                                    DB
12;
                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human APP derived immunogenic peptide #23.
                                                                                                                                                                                                                                      Score 30;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure, Fig 19; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB46227 standard; peptide; 10 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vasquez NJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-MAY-2000; 2000WO-US014810.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-00322289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-APR-2001 (first entry)
                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEURALAB LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bard F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-032104/04.
                                                                                                                                                                                                                                                                                                                                  7
                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                            1 KKLVFFA
                                                                                                                                                                                                    Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200072880-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-DEC-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Schenk DB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB46227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antibody.
                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
     8888888888888
                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                            셤
```

Sequence 10 AA

```
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chalifour R,
                                                                                                                                                                                                                                                                                                          AAU96829 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 49; Page 22; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                  Amyloid targeting peptide #19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-JUL-2001; 2001WO-CA001071,
                                                                                                      88.2%;
                                                                                                                                                                                                                                                                                                                                                                               30-JUL-2002 (first entry)
                                                                                                                                          6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-371447/40.
                                                                                                                                                                               _
                                                                                                                                                                                                                 6
                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                               1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200207781-A2.
                                                                     Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                             AAU96829;
                                                                                                                             Best Loca
Matches
                                                                                                                                                                                                                                                                         RESULT 38
                                                                                                                                                                                                                                                                                           AAU96829
                                                                                                                                                                                                                                                                                                              셤
88988
                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is that of an all-D peptide suitable for use in preparing vaccines for preventing or treating Alzhaimer's disease and preparing vaccines for preventing or treating Alzhaimer's disease and cother amyloid related disorders in humans. It is based on a portion of cother amyloid related disorders in humans. It is based on a portion of inserting 1 or more amino acid residues or by substituting 1 or more amino acid residues or non-amino acid tragments. Vaccines of the invention acid residues or non-amino acid conjudes synthesised from the unnatural D-configuration amino acids to solid the drawbacks of 'self' proteins. The all-D peptides need not be avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. The petides need not be captagated to be operative or immunogenic. The peptides need not be all-D fortein conjudates, immunogenic derivative peptides and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and corresponding to residues peride and the all-D derivative peptides or new amyloid beta peptide and the all-D derivative peptides or preventing fibrillogenesis and associated cellular toxicity. The amyloid preventing fibrillogenesis and associated cellular toxicity. The amyloid crelated diseases may be localised amyloidosis, e.g. diabetes type II, neurodegenerative diseases, scrapie, cerebral amyloid angiopathy, and creuzfeldt-Jakob disease, scrapie, cerebral amyloidosis associated with
                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                  Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                         ö
                     Length 10;
                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                   All-D peptide used in Alzheimer's disease vaccine.
                         DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1. .10
/note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F;
                         88.2%; Score 30; DB
85.7%; Pred. No. 12;
ive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                             AAB82641 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-NOV-2000; 2000WO-CA001413
                                                                                                                                                                                                                                                                                                      (first entry)
                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-441458/47.
                                                                                                1 KKLVFFA 7
                         Query Match
Best Local Similarity
Matches 6; Conser
                                                                                                                         OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                             therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200139796-A2
```

07-JUN-2001.

02-OCT-2001

AAB82641;

RESULT 37 AAB82641

ò 셤 Synthetic.

```
The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The agent is of general formula A.L.(A.L. B. B. D. (I) where z=0. I, A.L. an amyloid targeting molety, A.L. B. T. B. Inker moiety, and A.L. a. b. a labelling moiety. A.Lso included are imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving administering (I) to the patient, and ultrasound imaging (I) in the patient to determine the presence of amyloid or amyloid-related condition; and a kit for preparing a radiopharmaceutical preparation comprising (I) a reducing agent, a buffering agent, a transchelating agent, and instructions for the preparation and use of the radiopharmaceutical in the imaging of amyloid or an amyloid-related condition. The agents are used for imaging amyloid deposition and for diagnosing an amyloid related
                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
chronic infection (e.g. tuberculosis) or chronic inflammation (e.g. rheumatoid arthritis), familial Mediterranean fever (FMF) and systemic amyloidosis found in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scraple; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; Alzheimer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis; cerebral amyloid anglopathy.
                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                       Length 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Misc-difference 1. .10
/note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ñ
                                                                                                                                                                                                                                                                                  Score 30; DB 4;
Pred. No. 12;
1; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Migneault
```

```
The present invention describes a method (MI) for analysing cleavage of a polymer. MI comprises: (a) providing a sample of the polymer on one side of the polymer molecules having been labeled at a position on one side of the potential cleavage site with a first isotopic label and a portion of the potential cleavage site with a second isotopic label; (b) incubating the sample under conditions suitable for cleavage at the potential cleavage site with a second isotopic label; (b) incubating the sample under conditions suitable for cleavage at the potential cleavage site; and (c) analysing the mass(es) of any cleaved fragments by mass spectrometry and thereby determining whether and/or where cleavage has taken place. MI is useful for analysing cleavage of a polymer, where the polymer is a linear polymer, and comprises a peptide or protein. Methods from the present invention can be used in discovering new or improved synthetic substrates for both known and unknown enzymes, e.g. enzymes identified from the human genome. The methods are also useful to identify the sequence origin, and in screening methods to
condition e.g. Creutzfeldt-Jakob disease (CJD), kuru, transmissible cerebral amyloidoses (transmissible virus dementias), familial CJD, scraple, transmissible mink encephalopathy, bovine spongiform encephalopathy (BSE), inflammation-associated amyloid, type II diabetes, primary amyloidosis, feline spongiform encephalopathy, non-transmissible cerebral amyloidosis, Alzheimer's disease, prion-mediated diseases, dialysis errelated amyloidosis, light chain-related amyloidosis, cerebral amyloid angiopathy. The agents are capable of crossing the blood-brain barrier and are capable of binding specifically to amyloid plaques. The present sequence is a peptide forming the amyloid targeting moiety of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Analyzing cleavage of polymer, by providing polymer sample, incubating the sample with labeled isotope for cleavage at potential cleavage site, and analyzing the masses of any uncleaved fragments by mass spectrometry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  spectrometry; polymer; analysis; cleavage; substrate specificity;
                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                  DB 5; Length 10;
                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Differentially isotopically labelled (DiMaS) peptide #4.
                                                                                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                Score 30; DB :
Pred. No. 12;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABP57511 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 3; Page 22; 73pp; English.
                                                                                                                                                                                                                                                                                                88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-JUN-2001; 2001GB-00015581.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-JUN-2002; 2002WO-GB002921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                           6; Conservative
                                                                                                                                                                                                                   agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-184066/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GLAX ) GLAXO GROUP
                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                       OKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          isotope; protease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2003001206-A1.
                                                                                                                                                                                                                                                       Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mckeown SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABP57511;
                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 39
      g
                                                                                                                                                                                                                                                                                                                                                                                  8
```

```
ö
             libraries, in in vivo/ex vivo/in vitro peptide, and in assaying methods for oligonucleotide or peptide sequencing and in measuring differential protein expression. The methods are useful for monitoring the cleavage of polypeptides or polymucleotides, and for determining optimal polymer substrates. ABPS7505 to ABPS7605 represent peptides used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; ostcomyellitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D-amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, posoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis;
                                                                                                                                                                                                                       Gaps
 new substrates for enzymes, in positional peptide scanning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prevention and/or treatment of an amyloid-related disease e.g.
Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                       ö
                                                                                                                                                                                  6; Length 10;
                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kong X;
                                                                                                                                                                                 Score 30; DB 6
Pred. No. 12;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                         AAE35455 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                  88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 59; 44pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hebert L,
                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-201269/19.
                                                                                                                                                                                                                                                            ~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Abeta peptide #26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Misc-difference 1
                                                                                                                                                                                                                                                                                                OKLVFFA
                                                                                                                                                                                                                                                          1 KKLVFFA
                                                                                                                                              Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                           AAE35455;
                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                  RESULT 4(
88888888888
                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                            셤
```

```
wayloid-beta; amyloid-beta related disease;

wayloid-beta fibril formation; immune response; nootropic;

wayloid-beta fibril formation; immune response;

w neuroprotective; cerebroprotective; hemostatic; ophthalmological;

w neuroprotective; cardiovascular; tranquilliser; uropathic;

w antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

w antichyroid; vasotropic; cardiovascular; neuroleptic;

w articonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;

w articonvulsant; anti-HIV; antiparkinsonian; muscular;

w alzheimer's disease; mild cognitive impairment;

w hild-to-moderate cognitive impairment;

w senile dementia; Down's syndrome; inclusion body myositis;

cerebrovascular disease; cardiovascular disease; memory loss; anxiety;

w behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
           infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease).

Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal call carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
chronic microbial
                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                  6; Length 10;
                                                                                                                                                                                                                                       0; Indels
 disease. AA deposits are also produced as a result of
                                                                                                                                                                                                    Score 30; DB 6; Pred. No. 12; 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 67; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                         ADQ37280 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                        88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Misc-difference 1.
                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                              1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                  OKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vaccine antigen
                                                                                                                                                                     Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                   invention
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ37280;
                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                            RESULT 41
                                                                                                                                                                                                                                                                                                                                                                                               ADQ37280
                                                                                                                                                                                                                                                                                                                                                                                                                              8888888888
                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                 ò
```

```
The present invention describes compositions (C) comprising; (a) a first a second agent (a1) that prevents or treats amyloid-beta related disease; and (b) a gent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that conditions amyloid-beta is (ii) an immune response against anyloid-beta ibril formation, or therapeutic immune response against anyloid-beta including to maniputs amyloid-beta (ii) an immune system modulator that prevents or inhibits amyloid-beta (ii) an immune system modulator that prevents or cardiovascular, tranquilliser, uropathic, anticonvolsant, antidepressant, endocrime and hypnotic activities, curopathic, anticonvolsant, antidepressant, endocrime and hypnotic activities, usurloid-beta related disease e.g. Altabimer's disease (including sporadic (including sporadic form) modulators, and can be used as amyloid-beta fibril formation modulators, and immune system modulators (C) and be used so amyloid-beta related disease e.g. Altabimer's disease (including sporadic (including phothyroid) angiorative impairment, vascular dementia, crebral convolusion bown's syndrome, inclusion body myositis, age-related macular dementia, crebral convolusion bown's syndrome, inclusion body myositis, age-related macular description or a condition associated with Altabimer's disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, chisase, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, chisase, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, chisase, anyphasia, apraxia, agnosia, pick disease, dementia agraxia, agraxia, agnosia, pick disease, dementia creatised and deficits, incoordination, gait disturbance, transient isohamic, syncope, neuroleptic sensitivity, normal pressure bydrocephalus, subdural creatised preventing appraxia, and pressed model and particular disease, papathy, or apsychogical condition (e.g. depression, diseased anyloid-beta deposits and pagents in the exemplification of the anyloid-beta depo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; carebroprotective; haemostatic; opthhalmological;
antichyroid; vasotroppic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anticHIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
Alzheimer's disease; mild cognitive impairment;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
comprising: (a) a first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
    The present invention describes compositions (C)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.2%; Score 30; DB 85.7%; Pred. No. 12; ive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADQ37371 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : | | | | | | | | 3 QKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ37371;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADQ37371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
```

The present invention describes compositions (C) comprising: (a) a first cases of (a1) that prevents or treats amyloid-beta related disease; and (b) casecond agent (a2) that is: (i) a poptide or peptidomimetic that casecond agent (a2) that is: (ii) a poptide or peptidomimetic that conditions amyloid-beta fibril formation, or therapeutic immune septems modulator that prevents or inhibits amyloid-beta for it in immune system modulator that prevents or inhibits amyloid-beta notropic, neuroprotective, cardiovascular, tranquilliser, coptiballic, cardiant, antichyloid-beta fibril formation and pypnotic activities, on be used as amyloid-beta fibril formation and hypnotic activities, on the cardiovascular, antichyloid-beta fibril formation andulators, and as immune system modulators. (C) can be used for preventing or treating an immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic condition associated with Alzheimer's disease (including sporadic amyloid-appthy, hereditary) or familial (hereditary), mild cognitive impairment, andulators, crebral haemorthage, senile dementia, compression, or a condition associated with Alzheimer's disease (including hypothyroidism, cerebrovascular disease, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, agreases on the confinence), a neurological condition (e.g. apathy, disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, memory loss, anxiety, abehavioural disturbance, transient ischaemic field deficits, incoordination, gardical condition, escapione, proteching anyloid-alse altered muscle forme, salarizes, sensory loss, anxiety appressed, or survober, transient alternal aspects, escaped, or survober, and anyloid-alse alternass, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdidial identicin, depressed mood, irritability, anhedomina, social withdrawal, confidencion, depress behavioural dysfunction; neurological condition; psychological condition; Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator. Disclosure; Page 95; 143pp; English. 24-DEC-2003; 2003WO-CA002021 24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P. (NEUR-) NEUROCHEM INT LTD. Gervais F, Bellini F; WPI; 2004-543342/52. present invention vaccine antigen. WO2004058239-A1. 15-JUL-2004 Synthetic.

Sequence 10 AA;

ö Gaps ; 0 88.2%; Score 30; DB 8; Length 10; 85.7%; Pred. No. 12; 0; Indels ive 1; Mismatches 0; Indels 6; Conservative Query Match Best Local Similarity Matches 6; Conserv

KW amyloid-beta; amyloid-beta related disease;

KW amyloid-beta fibril formation; immune response; nootropic;

KW neuroprotective; cerebroprotective; haemostatic; ophthalmological;

M neuroprotective; cardiovascular; tranquilliser; uropathic;

KW antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

KW antichyrolat; anti-HIV; antiparkinsonian; muscular; neuroleptic;

KW ardiant; antidepressant; endocrine; hypnotic;

KW amyloid-beta fibril formation modulator; immune system modulator;

Alzheimer's disease; mild cognitive impairment;

Mild-to-moderate cognitive impairment; vascular dementia;

M cerebral amyloid anglopathy; hereditary cerebral haemorrhage;

Senile dementia; Down's syndrome; inclusion body myositis;

Senile dementia; degeneration; hypothyroidism;

RW cerebrovascular disease; cardiovascular disease; memory loss; anxiety;

W behavioural dysfunction; neurological condition; psychological condition;

W vaccine antigen. Amyloid-beta polymerisation peptide. ADQ37374 standard; peptide; 10 AA. (first entry) 3 OKLVFFA 9 07-OCT-2004 ADQ37374; RESULT 43 셤

Synthetic.

WO2004058239-A1.

15-JUL-2004.

24-DEC-2003; 2003WO-CA002021.

24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.

(NEUR-) NEUROCHEM INT LID.

Gervais F, Bellini F;

WPI; 2004-543342/52.

Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.

Disclosure; Page 95; 143pp; English.

The present invention describes compositions (b) agent (al) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have nootropic, neuroprotective, cerebroprotective, heamostatic, coptual antithyroid, vasotropic, cardiovascular, tranquilliser, uropathic, anticonvulsant, anti-HIV, antiparkinsonian, muscular, curopathic, anticonvulsant, anti-HIV, antiparkinsonian, muscular, and as induced as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an immune system modulators. (C) can be used for preventing or treating and immune system modulators. (C) can be used for preventing or treating and immune system modulators. (C) can be used for preventing or treating and anyloid-beta impairment, vascular dementia, cerebral amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, degeneration, or a condition associated with Alzheimer's disease (including hypothyroidism, cerebrovascular disease, cardiovascular disease, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, present invention describes compositions (C) comprising: (a) a first

```
aggression, or incontinence), a neurological condition (e.g. Huntington's disease, amyotrophic lateral sclerosis, acquired immunodeficiency, backinson's disease, aphasia, apraxia, agnosia, Pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual coordination, gait disturbance, transient ischaemic field deficits, incoordination, gait disturbance, transient ischaemic syncope, neurological esnsitivity, normal pressure hydrocephalus, subdural consactom, hallucination, sensitivity, normal pressure hydrocephalus, subdural consensor, hardination, serval discort, weight loss, psychosis, a sleep disturbance, insomnia, behavioural discinhibition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposite. The present sequence represents an amyloid-beta polymerisation peptide which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A method has been developed for the prevention or treatment of a disorder or disease associated with the formation of amyloid or amyloid-like
                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Anti-amyloid peptide; iAbeta; abnormal protein folding inhibitor; Alzheimer's disease; dementia; Down's syndrome; amyloidosis disorder; human prion disease; Kuru; Creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker Syndrome; animal prion disease; prion associated human neurodegenerative disease; scraple; spongiform encephalopathy; transmissible mink encephalopathy; chronic wasting disease; mule; deer; elk; human.
                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New inhibitors of fibrillogenesis proteins or peptides - used for preventing, treating or detecting amyloidosis disorders such as Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Anti-amyloid peptide Abeta inhibiting abnormal protein folding.
                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                           Score 30; DB 8; Length 10; Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Baumann MH, Frangione B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW32560 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Fig 9; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95US-00478326.
96US-00630645.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96WO-US010220.
                                                                                                                                                                                                                                                                                                                                                                                 88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYNY ) UNIV NEW YORK STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-JAN-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1997-051637/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 OKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                               present invention
                                                                                                                                                                                                                                                                                                                                                Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Soto-Jara C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ношо варіепв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9639834-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW32560;
                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
               888888888888888888888888
```

```
deposits, involving the abnormal folding of a protein or peptide. The method involves administering an inhibitory peptide which prevents the abnormal folding or which dissolves existing amyloid or amyloid-like deposits, where the peptide comprises a sequence of 3-15 amino acid at least one of the 3 amino acids is a beta-sheet blocking amino acids cesidue selected from Pro, Gly, Asn and His. The present sequence cresidue selected from Pro, Gly, Asn and His. The present sequence crepresents an anti-amyloid peptide, Abeta, which inhibits abnormal crepresents an anti-amyloid peptide, and capable of associating with a structural determinant on the protein or peptide to structurally block and inhibit the abnormal folding into amyloid or amyloid-like deposits. The method can be used for preventing, treating or detecting e.g. The method can be used for preventing, treating or detecting e.g. Alzheimer's dementia or disease, bown's syndrome, other amyloidosis disorders, human prion diseases such as Kuru, Creutzfeldt-Jakob disease, cerstanann-StrausBeir-Scheinker Syndrome, prion associated human neurodegenerative diseases or animal prion diseases such as scrapie, spongiform encephalopathy, transmissible mink encephalopathy and chronic wasting disease of mule deer and elk
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to a method of identifying a compound that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 I-helical conformation; discordant helix; amyloid beta-peptide; I-helix; theta-strand structure; amyloidogenic disorder; Abeta; amyloidosis; Alzheimer's disease; prion disease; scrapie; BSB; by pepongiform encephalopathy; Creutzfeld-Jacob disease; CJD; fibrillation; aggregation; hootropic; neuroprotective; PDB; protein databank code; lba6; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Identifying compounds that stabilize I-helix of discordant helix in polypeptide, by measuring amount of I-helix in sample containing discordant helix-containing polypeptide in presence and absence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                  Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human amyloid beta-peptide (1ba6) helical segment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ..
                                                                                                                                                                                                                                                                                                                                                                                                                  2;
                                                                                                                                                                                                                                                                                                                                                                                                              Similarity 85.7%; Pred. No. 13; 6; Conservative 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Fig 2A; 55pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU99431 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-NOV-2001; 2001WO-GB005117.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-NOV-2000; 2000US-0253695P.
06-DEC-2000; 2000US-0251662P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Johansson J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ALPH-) ALPHABETA AB. (WHIT/) WHITE M P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-519389/55.
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200241002-A2.
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 11 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-MAY-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              White MP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            compound.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAU99431;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU99431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
```

```
stabilises an I-helical conformation of a discordant helix in a polypeptide, particularly amyloid beta-peptide (Abeta). The method comprises providing a test sample comprising a polypeptide that contains a discordant helix in the form of an I-helix, contacting the test sample with a test compound and determining the rate of decrease in the amount of I-helix or the amount of I-helix present in the test sample. The method is useful for identifying a compound that stabilises an I-helical conformation of a discordant helix in a polypeptide. Such compounds are useful for decreasing the rate of formation of theta-strand structures between at least two discordant helix-containing polypeptides, and for treating amyloidogenic disorders such as amyloidosis in Alzheimer's disease, and prion diseases (e.g. scrapie, bovine spongiform encephalopathy (BSE), Creutzfeld-Jacob disease (CDD)). AAU99416 represent >9-residue discordant helical segments from various proteins
                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                5; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. 13;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                Score 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE29504 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                             88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                     Sequence 11 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE29504
      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
```

Metallopeptide; nootropic; amyloid beta-protein; Alzheimer's disease; AD; Prion's disease; oxytocin; angiotensin; vasopressin; neuroprotective; therapy; amyloid beta-protein related peptide. Amyloid beta-protein related peptide #1.

Unidentified

WO200264734-A2

19-DEC-2001; 2001WO-US050075 22-AUG-2002

11-JUL-2001; 2001US-0304835P. 04-OCT-2001; 2001US-0327835P. 19-DEC-2000; 2000US-0256842P.

(PALA-) PALATIN TECHNOLOGIES INC.

Sharma SD, Shi Y;

WPI; 2002-740699/80

Determining secondary structure binding to desired targets within parent polypeptides that bind to targets, by constructing and complexing peptides to metal ions to form metallopeptides and screening the Determining secondary s netallopeptides.

Claim 194; Page 98; 165pp; English.

The invention relates to a method for identification and determination of target-specific folding sites in peptides and proteins. The invention also relates to a method for determining a secondary structure binding to desired targets within parent polypeptides that bind to targets, by constructing and complexing peptides to metal ions to form metallopeptides and screening the metallopeptides. The method is useful for determining secondary structure binding to desired target within parent polypeptide with primary structure that binds to the target, where

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes an isolated inhibitory peptide (I) which interacts with a hydrophobic beta-sheet forming cluster of amino acid residues on a protein or peptide for amyloid or amyloid-like deposit formation, and inhibits or structurally blocks the abnormal folding of pathological beta-sheet-rich conformation. (I) is useful for disorders or diseases associated with abnormal protein folding into amyloid or amyloid-like deposits or into pathological beta-sheet-rich precursors of such deposits, such as Alzheimer's disease, Down's syndrome, other amyloidoists, such as Alzheimer's disease, Down's syndrome, other amyloidosis disorders, human prion diseases, such as Kuru, Creutzfeldt-Jakob disease (CJD), Gerstmann-Straussler-Scheinker syndrome (GSS), prion associated human neurodegenerative diseases as well as animal prion diseases such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloid formation, amyloid-like deposit; Alzheimer's disease; pathological beta-sheet-rich conformation; Down's syndrome; amyloidosis disorder; human prion disease; kuru; CJD; cetuzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; GSS; prion associated human neurodegenerative disease; animal prion disease; scrapie, spongiform encephalopathy; transmissible mink encephalopathy; chronic wasting disease.
the target of interest is a receptor, antibody, toxin, enzyme, hormone, nucleic acid, intracellular protein domain of biological relevance or extracellular protein domain of biological relevance. A library of amyloid beta-protein related peptides is useful for the treatment of Albahamer's disease (AD). A library of peptides targetting vasopressin, oxytocin or angiotensin receptor is useful for treating prion's disease. The present sequence is an amyloid beta-protein related peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel inhibitory peptides which inhibit and structurally block abnormal folding of protein into amyloid or amyloid-like deposit and into pathological beta-sheet rich conformation, useful for treating
                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                 ö
                                                                                                                                                                                           Length 11;
                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                           5;
                                                                                                                                                                                           DB
                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                         Score 30;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Baumann MH, Frangione B;
                                                                                                                                                                                                                                                                                                                                                                                                         ABU79013 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Fig 9; 51pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloidogenic Amyloid A peptide
                                                                                                                                                                                           88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     96US-00766596.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95US-00478326.
96US-00630645.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (UYNY ) UNIV NEW YORK STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-379012/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alzheimer's disease
                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                     1 KKLVFFA
                                                                                                                                                                                                                                                                                                             2 EKLVFFA
                                                                                                                                                     Sequence 11 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US6462171-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Soto-Jara C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU79013;
                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                 Matches
 8836666666
                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                         셤
```

us-10-009-122-2.rag

```
: | | | | | |
5.QKLVFFA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                encephalopathies.
1 KKLVFFA
                                                                                                                                                                                                            US2003087407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 11 AA;
                                                                                                                                                                                                                                                                          07-JUN-1995;
10-APR-1996;
12-DEC-1996;
                                                                                                                                                                                                                                                                                                                                       Soto-Jara C,
                                                                                                                                                                                         Unidentified
                                                                                                                 15-JAN-2004
                                                                                                                                                                                                                                  38-MAY-2003
                                                                                            ABW00147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 50
                                                   RESULT
                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                   셤
 8
                                                                                                                    ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to peptides having an aggrecanase cleavage site between a glutamic acid residue on the N-terminal side and a nonpolar or uncharged residue on the C-terminal side, and capable of being cleavable by aggrecanase-1 and/or aggrecanase-2. The peptides are useful as aggrecanase substrates in high-throughput screening assays for aggrecanase inhibitors as potential therapeutic compounds. The present sequence is a peptide substrate of human aggrecanase-1 and -2 proteins
           chronic wasting disease of mule deer and elk. (I) is also useful for detecting and disgnosing the presence or absence of amyloid or amyloid-like deposits in vivo and its precursors. This is the amino acid sequence of peptide associated with the inhibition of amyloid or amyloid like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New peptides useful as aggrecanase substrates in assays for aggrecanase inhibitors comprise an aggrecanase cleavage site between a glutamic acid residue and a nonpolar or uncharged residue.
 spongiform encephalopathy, transmissible mink encephalopathy and
                                                                                                                    Gaps
                                                                                                                    ô
                                                                                                                                                                                                                                                                                                 Human; truncated aggrecanase-1; aggrecanase-1; aggrecanase-2; metalloprotease; enzyme; substrate.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 11;
                                                                                                6; Length 11;
                                                                                                                    Indels
                                                                                                                                                                                                                                                                              Aggrecanase-1 and -2 peptide substrate SEQ ID NO: 33.
                                                                                                                                                                                                                                                                                                                                                                                              ___/note= "modified by (Dabcyl)K-amide"
                                                                                                                      ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 7
Pred. No. 13;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                           'note= "modified by Aedans"
                                                                                                 Score 30; DB
Pred. No. 13;
                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                   ABR84683 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 2; Page 52; Opp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Coles F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-JAN-2002; 2002US-00050200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-JAN-2003; 2003WO-US001327
                                                                                                 88.2%;
                                                                                                                                                                                                                                                            (first entry)
                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fourie A, Karlsson L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ORTH-) ORTHO MC NEIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-748002/70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                   Query Match
Best Local Similarity
                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ä
                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003062263-A2
                                                                               Sequence 11 AA;
                                                                                                                                                                                                                                                                                                                                                                    modified site
                                                                                                                                                                                                                                                                                                                                                                                         modified_site
                                                                                                                                                                                                                                                              18-DEC-2003
                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                          ABR84683;
                                                                                                                                                                                                RESULT 48
                                                                                                                                                                                                                                        ద
      888888888
                                                                                                                                              ò
```

ö

Gaps

ö

Conservative

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to inhibitory peptide comprising a portion of at beat three amino acid residues and a sequence predicted not to adopt a beta-sheet structure that associates with a hydrophobic beta-sheet cluster on a protein or peptide involved in the abnormal folding into a brotein or peptide involved in the abnormal folding of the protein or peptide. The inhibitory peptide is useful for preparing a composition for preventing, treating or detecting disorders or diseases associated with amyloid-like fibril deposits e.g. Alzheimer's disease prion related encephalopathies. The invention is also useful in gene therapy. The present sequence is amyloid-beta (Abeta) peptide. This peptide is used in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New inhibitory peptide, useful for preparing a composition for diagnosing, preventing or treating disorders associated with amyloid-like fibril deposits, e.g. Alzheimer's disease, or prion related
                                                                                                                                                                                            Amyloid-like fibril deposit; prion related encephalopathy; gene therapy;
Alzheimer's disease; amyloid-beta; Abeta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 30; DB :
Pred. No. 13;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ä,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baumann MH, Frangione
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE35464 standard; peptide; 12 AA.
ABW00147 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Fig 9; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-00478326.
96US-00630645.
96US-00766596.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                        06-SEP-2002; 2002US-00235483
                                                                                                                                                      Amyloid-beta (Abeta) peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYNY ) UNIV NEW YORK STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-616149/58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                        (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE35464;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE35464
ID AAE3
XX
AC AAE3
XX
DT 17-C
```

```
The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D-amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's Gisease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinomas of gut, lung and uroganital tract, basal cell carcinoma and hairy cell leukaemia. The invention and batta peptide used to illustrate the method of the
                                                                                 cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; ostcompelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                             All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 30; DB 6; Length 12;
Pred. No. 14;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chalifour RJ, Kong X;
                                                                                                                                                                                                                                                                                    Key
Misc-difference 7. .12
/note= "D-form residues"
                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 61; 44pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88.2%;
Similarity 85.7%;
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                 WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 12 AA;
                                                                                                                                                                                                                                   Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                      05-DEC-2002
```

ö

Gaps

; 0

Search completed: March 9, 2005, 06:27:27 Job time: 76.6027 secs

a

THIS PAGE BLANK (USPTO)

	·
	ā
	Δ
	-
\	

30 88.2 11 4 US-09-988-842-25 Sequence 25 30 88.2 11 5 PCT-US96-10220-14 Sequence 14 30 88.2 14 4 US-09-594-366-5 Sequence 5,	30 88.2 15 4 US-08-766-596A-56 Sequence 57 30 88.2 15 4 US-08-766-596A-57 Sequence 57	30 88.2 15 4 US-08-765-596A-60 Sequence 60 30 88.2 15 4 US-08-766-596A-61 Sequence 61 30 88.2 15 4 US-08-766-596A-63 Sequence 63 30 88.2 15 4 US-08-766-596A-65 Sequence 65	30 88.2 17 3 US-09-264-709A-2 Sequence 2, 30 88.2 17 4 US-09-254-366-3 Sequence 3, 30 88.2 19 3 US-08-970-833-11 Sequence 5, 30 88.2 19 4 US-09-723-384-5 Sequence 5,	30 88.2 19 4 US-09-724-961-75 Sequence 75 30 88.2 19 4 US-09-555-5 Sequence 5, 30 88.2 19 4 US-09-580-018-75 Sequence 75	30 88.2 19 4 US-09-723-927-5 Sequence 5, 30 88.2 19 4 US-09-724-489-5 Sequence 5,	30 88.2 19 4 US-09-724-477-5 Sequence 5, 30 88.2 19 4 US-09-723-762-5 Sequence 5, 30 89.2 19 4 US-09-723-762-5 Sequence 5, 30 89.2 19 4 US-09-723-762-5	30 88.2 19 4 US-09-201-430-5 Sequence 5, 30 88.2 19 4 US-10-815-353-5 Sequence 75 Sequence 75 Sequence 5, 30 88.2 19 4 US-10-815-353-5 Sequence 5, 30 88.2 19 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	30 88.2 19 4 US-10-816-529-5 Sequence 5, 30 88.2 20 3 US-08-970-833-10 Sequence 7, 30 88.2 26 1 US-08-346-885-7 Sequence 7, 30 88.2 28 1 US-08-346-849-4 Sequence 4,	30 88.2 28 1 US-08-302-808-7 Sequence 7, 30 88.2 28 2 US-08-986-948-7 Sequence 7, 30 88.2 28 2 US-08-986-948-7 Sequence 7, 30 89.2 28 2 US-08-986-948-7 Sequence 7, 30 89.2 28 2 US-08-986-948-7 Sequence 7, 30 89.2 28 2 US-08-986-948-7	8.2 28 3 US-09-328-324A-4 8.2 28 3 US-09-388-890-3 8.2 28 3 US-09-388-890-3 8.2 28 3 US-09-388-890-4	30 88.2 28 3 US-09-388-890-5 Sequence 5, 30 88.2 28 3 US-09-388-890-6 Sequence 6,	ALIGNMENTS	RESULT 1 US-09-747-408-2	; Sequence 2, Application US/U9/4/408 ; Patent No. 6670399 ; GENERAL INFORMATION:	; APPLICANT: Green, Allan M. ; APPLICANT: Gervais, Francine	; TITLE OF INVENTION: Compounds And Methods For Modulating ; TITLE OF INVENTION: Cerebral Amyloid Angiopathy	; FILE REFERENCE: NBI-088 ; CURRENT APPLICATION NUMBER: US/09/747,408	; CURRENT FILING DATE: 2000-12-22 ; PRIOR APPLICATION NUMBER: 60/171,877	; PRIOR FILING DATE: 1999-12-23 ; NUMBER OF SEQ ID NOS: 24	; SOFTWARE: FastSEQ for Windows Version 4.0	; SEQ ID NO 2; LENGTH: 7 ** TWOS. DOWN.	11rE: FK1 ; ORGANISM: Homo sapiens 11S-09-747-408-2	Close 4 400 E 100 OF Score 34 D	Pred. No. 4.1e+05; 0; Mismatches 0; Indel8	KKLVFFA 7	 Db	_
GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.	OM protein - protein search, using sw model	Run on: March 9, 2005, 06:11:36; Search time 18.6986 Seconds (without alignments) 27.946 Million cell updates/sec	Title: US-10-009-122-2 Perfect score: 34 Sequence: 1 KKLVFFA 7	Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5	Searched: 513545 segs, 74649064 residues	Total number of hits satisfying chosen parameters: 513545	Minimum DB seq length: 0 Maximum DB seq length: 2000000000	Post-processing: Minimum Match 00% Maximum Match 100% Listing first 65 summaries	Issued Patents AA:* ./cgn2_6/ptodata/1/iaa/5A_COMB.pep:* ./cm7_6/ptodata11/iaa/sR_COMB_non.*	1: /cgn2_6/ptodata/1/iaa/6A COMB.ppp:* 4: /cgn2_6/ptodata/1/iaa/6B COMB.ppp:* 5: /cgn2_6/ptodata/1/iaa/6B COMB.ppp:* 6: /cgn2_6/ptodata/1/iaa/PCTUS COMB.ppp:*	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SUMMARIES	Result Query No. Score Match Length DB ID Description	34 100.0 7 4 US-09-747-408-2 Sequence 34 100.0 9 4 US-08-766-596A-64 Sequence	34 100.0 34 2 US-08-475-579A-4 Sequence 3 88.2 6 3 US-09-242-724-33 Sequence 3	30 88.2 7 2 US-08-612-785B-7 Sequence 30 88.2 7 3 US-08-703-675C-30 Sequence 30 89.2 7 3 US-08-705C-30 Sequence 30 89.2 7 3 US-08-705C-	30 88.2 / 3 US-08-612-785B-5 Sequence 30 88.2 8 2 US-08-612-785B-5 Sequence 5	30 88.2 8 3 US-08-703-675C-28 Sequence 3 88.2 8 3 US-08-617-267C-5 Sequence 9	30 88.2 9 4 US-08-766-596A-54 Sequence 3 88.2 9 4 US-09-747-408-20 Sequence 2	30 88.2 10 4 US-09-724-961-20 Sequence 3	30 88.2 10 4 US-09-724-961-21 Sequence 3 88.3 10 4 US-09-724-961-22 Sequence 3 88.3 10 4 US-08-724-861-23 Sequence 5	30 88.2 10 4 US-09-580-018-20 Sequence 3 88.2 10 4 US-09-580-018-20 Sequence 3 Sequence 3 Sequence 3 Sequence 5 Sequence	30 88.2 10 4 US-09-580-018-22 Sequence 31 88.2 10 4 US-09-580-018-23 Sequence 31 Sequence	30 88.2 10 4 US-09-724-551-20 Sequence 30 88.2 10 4 US-09-724-551-21 Sequence 3	30 88.2 10 4 US-09-724-551-22 Sequence 3 88.2 10 4 US-09-724-551-23 Sequence 2	25 30 88.2 11 2 US-08-630-645-14 Sequence 14, Appl 26 30 88.2 11 4 US-08-766-566A-14 Sequence 14, Appl	30 88.2 II 4 US-US-Y88-842-9 Sequence

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTHER INFORMATION: Description of Artificial Sequence: synthetic is OTHER INFORMATION: polypeptide US-09-242-724-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Solomon, Michael E.
APPLICANT: Slowon, Michael E.
APPLICANT: Rich, Daniel H.
TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor
TITLE OF INVENTION: Cyclosporin Analogs
CURRENT APPLICATION UNBER: US/09/242,724
CURRENT FILING DATE: 1999-02-22
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 34; DB 2; Length 34; 100.0%; Pred. No. 2.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match

Best Local Similarity 100.0%; Pred. No. 4.18+05;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                              CUERRATING SYSTEM: FC-LUGS/MS-LUGS
GOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,579A
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/404,831
FILING DATE: 4-MAR-1995
CLASSIFICATION NUMBER: 08/404,831
FILING DATE: 14-MAR-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: KARA. Catherine J.
REGISTRATION NUMBER: P41,106
REGISTRATION NUMBER: P41,106
REGISTRATION INFORMATION:
TELEPRAM: (617)227-7400
TELEPRAM: (617)227-7401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                              ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 33, Application US/09242724; Patent No. 6316405; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9 KKLVFFA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KKLVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-242-724-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-475-579A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Application US/08475579A
Sequence 4, Application US/08475579A
Sequence 4, Application US/08475579A
Sequence 4, Application US/08475579A
GENERAL INFORMATION:
APPLICANT: Mark A. Findeis et al.
APPLICANT: Mark A. Findeis et al.
APPLICANT: Mark A. Findeis et al.
APPLICANT: AINTENTION:
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 28 State Street
                                                                                                                                                                                APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, MAIC
APPLICANT: BAUMANN, MAIC
APPLICANT: BAUMANN, MAIC
APPLICANT: BAUMANN, MAIC
APPLICANT: FRANCIONE, BLAB
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCES: 69
CORRESPONDENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 20004
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 34; DB 4; I
100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: 37,971
REPERBENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-7373-9528
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 aning acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 68630,645
APPLICATION NUMBER: US 6870,645
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UNM-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                          Sequence 64, Application US/08766596A Patent No. 6462171 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 28 SI
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-475-579A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                              RESULT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
```

```
88.2%; Score 30; DB 3; Length 7; 85.7%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSES: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                   CARGENY AFFLICATION DIAG.

CARGENY AFFLICATION DIAG.

FILING DATE: 27-AUG-1996

CLASSIFICATION NUMBER: USN 08/404,831

FILING DATE: 14-MAR-1995

PRIOR APPLICATION DATE: 05.00 08/475,579

FILING DATE: 07-UNM-1995

PRIOR APPLICATION NUMBER: USN 08/548,998

FILING DATE: 07-UNM-1995

PRIOR APPLICATION NUMBER: USN 08/548,998

FILING DATE: 27-OCT-1995

PRIOR APPLICATION NUMBER: USN 08/616,081

FILING DATE: 14-MAR-1996

ATTORNEY AGENT INPORMATION:
NAME: KAIA. CATHERING: 11.106

REGISTRATION NUMBER: 41,106

REGISTRATION NUMBER: 41,106

REGISTRATION NUMBER: 41,106

REGISTRATION NUMBER: 41,106

REGISTRATION NUMBER: 91.106

REGISTRATION NUMBER: 91.106

REGISTRATION NUMBER: 91.106

REGISTRATION NUMBER: 91.106

REGISTRATION NUMBER: 91.106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
FILING DATE: 14-MAR-1996
FILING DATE: 14-MAR-1995
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: 07-070-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Boston
STATE: Masachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7, Application US/08617267C
Patent No. 6319498
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OKLVFFA 7
              MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 7
US-08-617-267C-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; DD .,
), 4.1e+05;
.-h.a 0; Indels
US-08-612-785B-7
Sequence 7, Application US/08612785B
Sequence 7, Application US/08612785B
Sequence 7, Application US/08612785B
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TILLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 6
US-08-703-675C-30
; Sequence 30, Application US/08703675C
; Patent No. 6303567
; GENERAL INFORMATION:
; TILLE OF INVENTION: Modulators of -Amyloid Peptide
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30; DB 2; Length 7;
Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                             CITY: Boston
STATE: Massachusetts
COUNTR: USS
ZOUNTR: USS
ZOL09-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFTCATION: 1514
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
PRECENTION DATA:
PRECENT ON NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET UNBER: PPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (617) 742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02109-1875
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :||||||
1 QKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 28 Ste
CITY: Boston
STATE: Massach
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-612-785B-7
```

g ઠે

```
Aggregation Comprising D-
                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                     ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 8;
                                                                                                                                                  0; Indels
                                                                                    Score 30; DB 2; Length 8;
Pred. No. 4.1e+05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                              ABOUT 3.

Sequence 28, Application US/08703675C

Sequence 28, Application US/08703675C

Batent No. 6303567;
Fatent No. 6303567;
TITLE OF INVEMPTION:
MODILIACE OF INVEMPTION:
MODILIACE 46

CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STARE: Massachusetts
CONFIRMY: USA
ZIP: 02109-1875

COMPUTRY: USA
ZIP: 02109-1875

COMPUTRY: THOUSA
SOFTWARE: PLODPY disk
COMPUTRY: THOUSA
SOFTWARE: PLODPY disk
COMPUTRY: STEME PC Compatible
COMPUTRY: STEME PC COMPATION NUMBER: US/08/703,675C
FILING DATE: 27-ANG-1996
CLASSIFICATION DATA:
APPLICATION DAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%; Score 30; DB 3; I
85.7%; Pred. No. 4.1e+05;
iive 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION WUMBER: USSN 08/475,579
FILING DATE: 07-UN-1995
PRIOR APPLICATION DATA:
PAPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Kara, Catherine J. 106
REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                          88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (617)742-4214
                                                                Query Match
Best Local Similarity 85.7
Est Local 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
; MOLECULE TYPE: peptide US-08-612-785B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KKLVFFA 7
                                                                                                                                                                                                                         1 KKLVFFA 7
                                                                                                                                                                                                                                                         :|||||||
2 QKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-703-675C-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                 RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-612-7868-5

1 Sequence 5, Application US/08612785B

1 Sequence 5, Application US/08612785B

2 Sequence 5, Application US/08612785B

2 Sequence 5, Application

3 APPLICANT: Findeis, Mark A. et al.

4 TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid

7 TITLE OF INVENTION: Aggregation

NUMBER OF SEQUENCES: 40

CORRESPONDERS BESS:

CORRESPONDERS BESS:

COUNTRY: USA

STATE: Massachusetts

COUNTRY: USA

CONPUTER: EADABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: BASCONDERS:

COMPUTER: BASCONDERS:

MEDIUM TYPE: Ploppy disk

COMPUTER: Patentin Release #1.0, Version #1.25

CURSITING SYSTEM: US/08/612,785B

FLING DATE: 14-MAR-1995

PRILNG APPLICATION NUMBER: USSN 08/475,579

FLING DATE: 14-MAR-1995

PRILNG APPLICATION NUMBER: USSN 08/475,579

FLING DATE: O7-UNN-1995

PRILNG APPLICATION NUMBER: USSN 08/548,998

FLING DATE: TO-OTT-1995

ATPORTY OF APPLICATION NUMBER: USSN 08/548,998

FLING DATE: TO-OTT-1995

ATPORTY OF APPLICATION NUMBER: USSN 08/548,998

FLING DATE: TO-OTT-1995

MANNE: APPLICATION NUMBER: USSN 08/548,998

FLING DATE: TO-OTT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30; DB 3;
Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                              NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE GHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: Amino acids
US-08-GIT-267C-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERNCE/DOCKET NUMBER: PPI-002CP3
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
         PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILLING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
```

ð В

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20, Application US/09747408
Sequence 20, Application US/09747408
Setent No. 6670399
GENERAL INPORMATION:
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: US/09/747,408
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
FRIOR APPLICATION NUMBER: 60/171,877
FRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.2%; Score 30; DB 4; Length 9; 100.0%; Pred. No. 4.1e+05; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.2%; Score 30; DB 4; Length 9; 85.7%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Parent: BM PC compatible
COMPUTER: Parent: Release #1.0, Version #1.30
SOFTWARE: Patent: Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/630,645
FILING DATE:
PILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NUMBE: YUN, Allen C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=LA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR EGG ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity luv.
...a 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ss: single
linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-766-596A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-747-408-20
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 54, Application US/08766596A

Sequence 54, Application US/08766596A

Sequence 54, Application US/08766596A

GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, MATC
APPLICANT: FRANCIONE, Blas
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Machington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.2%; Score 30; DB 3; Length 8; 85.7%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
              Sequence 5, Application US/08617267C
Patent No. 6119498
GENERAL INFORMATION
FINGLES OF TITLE OF INVENTION: Modulators of Amyloid Aggregation NUMBER OF SEQUENCES: 45
CORRESPONDENCES: 45
CORRESPONDENCES: ADDRESSE: AAHIVE & COCKPIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                    CUDNIKK: U.SA

ZIP: OLIOPIAKX: U.SA

ZUD: 0.2109-1875

COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/617,267C

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/404,831

FILING DATE: 14-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/475,579

FILING DATE: 0'-JUN-1995

PRIOR APPLICATION NUMBER: USSN 08/548,998

FILING DATE: 27-OCT-1995

ATOCOMEY AGAINGATION:

NAMME: ASSN 08/548,998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-5941
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                            CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 OKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
US-08-766-596A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-617-267C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY:
```

ઠે g ö

Gaps

; 0

```
GAPPLICANT: Schenk, Daie B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
CURRENT FILING DATE: 12000-11-28
FRICA PELICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 1990-05-28
PRIOR FILING DATE: 1990-05-28
PRIOR FILING DATE: 1998-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CHIER LINFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
; SEQ ID NO 21
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
COTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
COTHER INFORMATION: peptide)
US-09-724-961-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 30; DB 4; Length 10;
Pred. No. 4.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                     Score 30; DB 4; Length 10;
Pred. No. 4.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/09724961; Patent No. 6743427; GENERAL INFORMATION: APPLICANT: Schenk, Dale B.; APPLICANT: Bard, Frederique; APPLICANT: Vasquez, Nicki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-724-961-22;
Sequence 22, Application US/09724961;
Sequence 12, Application US/09724961;
Patent No. 6743427;
SENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 QKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : | | | | | | | | 2
2 OKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-724-961-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PAPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vednock, Ted
TILE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TILE REFERENCE: 152704-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT APPLICATION NUMBER: US 09/580,015
PRIOR PILING DATE: 2000-01-28
PRIOR PLING DATE: 1999-05-28
PRIOR PLING DATE: 1999-05-28
PRIOR PLING DATE: 1999-05-28
PRIOR PLING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: US 60/067,740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Varies, Nicki
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152/05-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide;
CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid;
CTHER INFORMATION: peptide)
US-09-724-961-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 30; DB 4; Length 10;
Pred. No. 4.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRENT FILLING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1090-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR PLING DATE: 1999-05-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-04-07
PRIOR PRIOR DATE: 1999-04-07
PRIOR APPLICATION NUMBER: US 60/080,970
PRIOR PLING DATE: 1999-04-07
PRIOR APPLICATION NUMBER: US 60/067,740
PRIOR 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21, Application US/09724961
Patent No. 6743427
                                                                                                   Sequence 20, Application US/09724961
Patent No. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 85.7°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :|||||||
QKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                         US-09-724-961-20
```

ò ద ö

Gaps

. 0

```
Sequence 21, Application US/09580018
Fatent No. 6761888
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederigue
APPLICANT: Bard, Frederigue
APPLICANT: Yednock, Ted
TILLE OF INVENTION: Prevantion and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152704-004760US
CURRENT FILING DATE: 2000-05-26
FILE REPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 1999-05-28
FRIOR APPLICATION NUMBER: US 09/322,289
FRIOR PLING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 21
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid ; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 30; DB 4; Length 10;
Pred. No. 4.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OKLVPFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-580-018-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-580-018-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20, Application US/09580018;
Sequence 20, Application US/09580018;
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Stard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REFERENCE: 15270J-004760US;
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26;
PRIOR PLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOSTWAREP PATENTIN Ver: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
CHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
US-09-580-018-20
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.7%; Pred. No. 4.6;
Matches 6; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                             FILE REFERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT PILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR PILING DATE: 2000-05-26
PRIOR PAPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/321,430
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-10-07
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-04-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%; Score 30;
85.7%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 88.2
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :|||||||
1 QKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 20
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

Gaps

ö

```
ö
Sequence 22, Application US/09580018
Fatent No. 6761888
GENERAL INFORMATION
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REPERENCE: 152703-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 30; DB 4; Length 10;
Pred. No. 4.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 20
US-09-580-018-23
; Sequence 23, Application US/09580018
```

```
Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :||||||
3 QKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sequence 20, Application US/09724551
| Sequence 20, Application US/09724551
| Patent No. 6787637
| GENREAL INFORMATION:
| APPLICANT: Schenk, Dale B.
| APPLICANT: Bard, Frederique
| APPLICANT: Prevention and Treatment of Amyloidogenic Disease
| TILLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
| FILE REFERENCE: 152700-004760US
| CURRENT APPLICATION NUMBER: US/09/580,018
| PRIOR FILING DATE: 2000-11-28
| PRIOR FILING DATE: 2000-05-26
| PRIOR FILING DATE: 109/09/580,018
| PRIOR FILING DATE: 1090-05-28
| NUMBER OF SEQ ID NOS: 77
| SOFTHARE: PatentIn Ver. 2.1
| SEQ ID NO 20
| LENGTH: 10
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Band, Frederique
APPLICANT: Bandek, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT FILING DATE: 2000-05-26
FRIOR PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AM1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%; Score 30; DB 4; Length 10; 85.7%; Pred. No. 4.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 30; DB 4
Pred. No. 4.6;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // Sequence 21, Application US/09724551
// Patent No. 6787637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.7
Matches 6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 22
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-724-551-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                        TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Federique
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR FILING DATE: 2000-12-28
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PATENTIN UNDER: 1299-05-28
NUMBER OF SEQ ID NOS: 77
LENGTH: 10
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 12700-004760US
FURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PATENTIN VET: 2.1
SED ID NO 21
LENGTH: 10
TYPE: RT
PRINTER FRT
PRINTER FRT
PRINTER FRT
PRINTER FRT
PRINTER FRT
PROGNAISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%; Score 30; DB 4; Length 10; 85.7%; Pred. No. 4.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 30; DB 4;
Pred. No. 4.6;
1; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 24
US-09-724-551-23
; Sequence 23, Application US/09724551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 22, Application US/09724551
Patent No. 6787637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 85...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
```

```
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: PRANGIONE, BIAC
APPLICANT: PRANGIONE, BIAC
APPLICANT: PRANGIONE, BETTIES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                 Сарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                      DB 2; Length 11;
5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.2%; Score 30; DB 4; Length 11;
85.7%; Pred. No. 5;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYEE: Floppy disk
COMPUTER: IBM FOOD
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: BROWDY AND NEIMARK
419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
PILING DATE: 0-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                      Score 30;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 14, Application US/08766596A
Patent No. 6462171
                                                                                                                                                                      88.2%;
                                                                                                                                                Query Match
Best Local Similarity 85.77
Conservative
                                    amino acid
DEDNESS: single
OGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 88.2
Best Local Similarity 85.7
Matches 6; Conservative
SEQUENCE CHARACTERISTICS:
                                                                                 TOPOLOGY: linear
HOLECULE TYPE: peptide
US-08-630-645-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , MOLECULE TYPE: peptide US-08-766-596A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KKLVFFA 7
                                                                                                                                                                                                                                                            1 KKLVFFA
                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                    RESULT 26
US-08-766-596A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

APPLICANT: SOTO-JARA, Claudio

APPLICANT: BAUMANN, Marc

APPLICANT: BAUMANN, Marc

APPLICANT: FRANGIONE, BIAS

APPLICANT: FRANGIONE, BIAS

TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED

TITLE OF INVENTION: MITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
         GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Yednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 152704-004760US

CURRENT APPLICATION NUMBER: US/09/724,551

CURRENT FILING DATE: 2000-11-28

PRIOR APPLICATION NUMBER: US/09/580,018

PRIOR APPLICATION NUMBER: US 09/322,289

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 23

LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
CTHER INFORMATION: peptide)
US-09-724-551-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELease #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 4
Pred. No. 4.6;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIPECATION: 530
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 14, Application US/08630645
Patent No. 5948763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: SC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Udery Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-630-645-14.
```

ઠે 셤

```
à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                    US-09-988-842-9
; Sequence 9, Application US/0998842
; Sequence 9, Application US/0998842
; Patent No. 6714589
; GENERAL INFORMATION:
; APPLICANT: Johansson, Jan
; TITLE OF INVENTION: DISCORDANT HELIX STABILIZATION FOR PREVENTION
; TITLE OF INVENTION: OF AMYLOID FORMATION
; FILE REFERENCE: 12.125-00201
; CURRENT APPLICATION NUMBER: US 60/251,662
; PRIOR PILING DATE: 2000-11-19
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-20
; ROOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastsEQ for Windows Version 4.0
; SEQ ID NO 9
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION.

TITLE OF INVENTION: DISCORDANT HELIX STABILIZATION FOR PREVENTION FITLE OF INVENTION: DISCORDANT HELIX STABILIZATION FOR PREVENTION FITLE OF INVENTION: OF AMYLOID FORMATION FILE REFERENCE: 12125-002001

CURRENT APPLICATION NUMBER: US/09/988,842

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: US 60/251,662

PRIOR FILING DATE: 2000-12-06

PRIOR FILING DATE: 2000-11-20

NUMBER OF SEQ ID NOS: 26

SOFTWARE: FRASEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88.2%; Score 30; DB 4; Length 11;
85.7%; Pred. No. 5;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.2%; Score 30; DB 4; Length 11; 85.7%; Pred. No. 5; 0; Indels tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
FEATURE:
COTHER INFORMATION: Synthetically generated peptide
US-09-988-842-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , OTHER INFORMATION: Synthetically generated peptide US-09-988-842-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 25, Application US/0998842
Patent No. 6716589
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -09-988-842-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 25
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
g
```

RESULT 29

```
PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/09594366

Patent No. 6582945

GENERAL INFORMATION:
APPLICANT: RASO, Victor
TITLE OF INVENTION: IMMUNOLOGICAL CONTROL OF BETA-AMYLOID LEVELS IN VIVO
FILE REFERENCE: BERI-2004
CURRENT APPLICATION NUMBER: US/09/594,366
CURRENT FILING DATE: 2000-06-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 30; DB 5; Length 11;
Pred. No. 5;
                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10220
                                                   TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISTITLE OF INVENTION: WITH PROTEIN FOLDING INTO AM NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: ADDRESSE: BROWDY AND NEIMARK STREET: 419 Seventh Street, N.W., Suite 400 CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UN-1995
FILING DATE: 06-UN-1995
FILING DATE: 10-APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APPL-1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, ROGET L.
REGISTRATION NUMBER: 25,618
REPERENCE/DOCKET NUMBER: SOTO-JARA=1 PCT
TELEPHONE: 202-638-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/139,408 PRIOR FILING DATE: 1999-06-16 NUMBER OF SEQ ID NOS: 7 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 5 IENGTH: 14
Sequence 14, Application PC/TUS9610220 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                         Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , ORGANISM: Homo sapiens
US-09-594-366-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                            20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-594-366-5
                                               APPLICANT:
```

```
37,971
ER: SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 57, Application US/08766596A
; Patent No. 6462171
; GENERAL INFORMATION:
                                          Claudio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.2%;
                                       APPLICANT: SOTO-JARA, Claud
APPLICANT: BAUMANN, MArc
APPLICANT: FRANGIONE, Blas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             + OKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                        Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-766-596A-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-766-596A-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                          ö
                                                                                                          Gaps
                                                                                                          ö
                                       DB 4; Length 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: AD Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 2; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OUREAUTION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-201-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-07-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONT, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30; DB 2
Pred. No. 6.6;
1; Mismatches
                                                                                                          Mismatches
                                   Score 30;
Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 28 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIBLE
COMPANIES: IBM PC COMPANIES
COMPANIES: IBM PC 
                                                                                                                                                                                                                                                                                                                                                                       US-08-612-785B-37
; Sequence 37, Application US/08612785B
; Patent No. 5854204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 56, Application US/08766596A
Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (617)742-4214
INPORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-612-785B-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 OKLVPFA 11
                                                                                                                                                                                                              :||||||
3 QKLVFFA 9
                                                                                                                                                                   1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 32
US-08-766-596A-56
                                                                                                                                                                       δ
                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
```

```
BUENCHAL INVENTATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: ERANGIONE, Blas
TITLE OF INVENTION: PEPTINES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
TITLE OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
CORRESPONDENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 4; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                         ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
                                                                                                                                                                                                SE: BROWDY AND NEIMARK
419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
```

```
RESULT 35
US-08-766-596A-61
US-08-766-596A-61
Sequence 61, Application US/08766596A
; Patent No. 6462171
; GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: DEPOTIES AND PHARMACEUTICAL
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 30; DB 4; Length 15; Pred. No. 6.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
FILING DATE: 06-UNN-1995
ATTORNEY/ABTING NUMBER: US 08/478,326
FILING DATE: 06-UNN-1995
ATTORNEY/ABTING NUMBER: 37,971
REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: 37,971
                              PILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UJN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REPERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELEPHONER: 202-737-3528
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
ITYPE: amino acid
STRANDEDNESS: single
TUMBER: US 08/630,645
10-APR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: SC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 88.2%;
Best Local Similarity 85.7%;
Matches 6; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 202-737-3528 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: peptide
          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-766-596A-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 60, Application US/08766596A
Sequence 60, Application US/08766596A
Sequence 60, Application US/08766596A
Sequence 60, Application US/08766596A
Sequence 60, Application US/0876596A
Setting Construction:
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
ADDRESSEE: BROWDY AND NEIMARK
ADDRESSEE: BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 30; DB 4; Length 15;
Pred. No. 6.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ...URESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 22004
COMPUTED: ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/766,596A
                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-196
PRIOR APPLICATION DATA: 08/478,326
APPLICATION NUMBER: US 08/478,326
ATTORIEY AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-625-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMEDTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide US-08-766-596A-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : | | | | | | | 4
QKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                              : D.C.
RY: USA
20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                 STATE: D
COUNTRY:
```

a ò

```
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSES: BROWN AND NEIMARK
ADDRESSES: A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Roberts, Eugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
FILE REFERENCE: 2124-310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEB: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 30;
Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UDN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                       ; Sequence 65, Application US/08766596A
; Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-264-709A-2; Sequence 2; Application US/09264709A; Patent No. 6320024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 65:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 OKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                              RESULT 37
US-08-766-596A-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-766-596A-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 38
                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, MARC
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 30; DB 4; Length 15;
Pred. No. 6.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                             DB 4; Length 15;
                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 419 Seventh Street, N.W., Suite 400 CITY: Washington
                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                Score 30;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-ARR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 63, Application US/08766596A
Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BROWDY AND NEIMARK
                                                                                                                                                                                                                                       88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15 amino acids
SEQUENCE CHARACTERISTICS
LENGTH: 15 amino acidi
                                                        TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                 MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                        :||||||
4 QKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                     1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washingt
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                 US-08-766-596A-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 36
US-08-766-596A-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-766-596A-63
                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                           d
```

1 KKLVFFA 7

ઠે

ô

```
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Neuralab Limited
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TILE REFERENCE: 15270J-004740US
FILE REFERENCE: 15270J-004740US
CURRENT PAPLICATION NUMBER: 2000-11-27
PRIOR APPLICATION NUMBER: 09/322,289
PRIOR FILING DATE: 2009-05-28
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: Description of Artificial Sequence:Abeta13-28
CTHER INFORMATION: peptide with carboxyl terminal Cys residue
CTHER INFORMATION: inserted and two added Gly residues
NAME/KEY: MOD_RES
LOCATION: (1)
COTHER INFORMATION: Xaa = acetyl histidine
US-09-723-384-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88.2%; Score 30; DB 4; Length 19; 85.7%; Pred. No. 8.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 30; DB 3; Length 19;
Pred. No. 8.2;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
         CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Jean C.
REGISTRATION NUMBER: 35,433
REFERENCE/DOCKET NUMBER: 960296.94291
TELECOMMUNICATION INFORMATION:
TELEFRHORE: (414) 271-5709
TELEFRAX: (414) 271-5709
TELEFAX: (414) 271-5709
SEQUENCE GHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 42
US-09-724-961-75
Sequence 75, Application US/09724961
Sequence 75, Application US/09724961
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Yednock, Ted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-723-384-5
; Sequence 5, Application US/09723384
; Patent No. 6710226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 19
TYPE: PRT
CRGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6; Conservative
                                                                                                                                                                                                                                                                                                                   LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9 QKLVPFA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 OKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-970-833-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3, Application US/09594366
Sequence 3, Application US/09594366
GENERAL INFORMATION:
APPLICANT: Raso, Victor
TITLE OF INVENTION: IMMUNOLOGICAL CONTROL OF BETA-AMYLOID LEVELS IN VIVO
FILE REFERENCE: BBRI-2004
CURRENT APPLICATION NUMBER: US/09/594,366
CURRENT FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/139,408
PRIOR FILING DATE: 1999-06-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                  ;;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NESULI 4. Application US/08970833
; Sequence 11, Application US/08970833
; Patent No. 6022859
; Patent No. 6022859
; TITLE OF INVENTION:
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 411 East Wisconsin Avenue
CITY: Milwaukee
STATE: Wisconsin COUNTRY: U.S.A.
ZIP: 53202-4497
; COMPUTER: FRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIN SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIN BATA:
HEDIUM TYPE: V-DOS/MS-DOS
SOFTWARE: PatentIN DATA:
HEDIUM TYPE: V-DOS/MS-DOS
SOFTWARE: PATENTIND DATA:
HEDIUM TYPE: V-DOS/MS-DOS
SOFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.2%; Score 30; DB 4; Length 17; 85.7%; Pred. No. 7.4;
                                                                                                                                                                                                                                                                                                                                                        88.2%; Score 30; DB 3; Length 17; 85.7%; Pred. No. 7.4;
                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
CURRENT APPLICATION NUMBER: US/09/264,709A CURRENT FILING DATE: 1999-03-09 PRIOR APPLICATION NUMBER: 08/797,782 PRIOR FILING DATE: 1997-02-07 NUMBER OF SEQ ID NOS: 39 SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 2 LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
LENGTH: 17
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85./~
6; Conservative
                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 85.7°
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
US-09-594-366-3
                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Homo sapiens
US-09-264-709A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 OKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 39
US-09-594-366-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
```

ö

Gaps

```
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 OKLVFFA 9
                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
         Matches
                                                                                            В
                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/09724552;
Sequence 5, Application US/09724552;
Fatefit No. 6750244;
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REFERENCE: 152704-004740US;
CURRENT APPLICATION NUMBER: US/09/724,552;
CURRENT APPLICATION NUMBER: US/09/724,552;
PRIOR APPLICATION NUMBER: US/09/580,019A;
PRIOR APPLICATION NUMBER: 09/322,289;
PRIOR FILING DATE: 1999-05-28;
NUMBER OF SEQ ID NOS: 5;
SOFTWARE: Patentin Ver. 2.1;
SEQ ID NO 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFRENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:Abeta 13-28 OTHER INFORMATION: peptide with two Gly residues added and inserted OTHER INFORMATION: Cys residue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:Abetal3-28 OTHER INFORMATION: peptide with carboxyl terminal Cys residue OTHER INFORMATION: inserted and two added Gly residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 30; DB 4; Length 19; Pred. No. 8.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88.2%; Score 30; DB 4; Length 19; 85.7%; Pred. No. 8.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR PELICATION NUMBER: US 09/322,289
PRIOR PILING DATE: 1999-05-28
PRIOR PILING DATE: 1999-05-28
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-10-07
PRIOR PILING DATE: 1998-04-07
PRIOR APPLICATION NUMBER: US 60/067,740
PRIOR APPLICATION NUMBER: US 60/067,740
PRIOR PILING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PALENTIN VET: 2.1
SEQ ID NO 75
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; LOCATION: (1) -
; OTHER INFORMATION: Xaa = acetyl histidine
US-09-724-552-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Xaa = N-acetyl His US-09-724-961-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MOD_RES
LOCATION: (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-724-552-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
```

```
US-09-580-018-75

Sequence 75, Application US/09580018

Fatent No. 6761888

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Pardnock, Tederique

APPLICANT: Pardnock, Tederique

TILIE REPERENCE: 12570J-004760US

CURRENT APPLICATION NUMBER: US/09/580,018

CURRENT FILING DATE: 2000-05-26

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SEQ ID NO 75

LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
TILE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TILE OF INVENTION: Devocation and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270/J 00472018
CURRENT PILING DATE: 1000-11-28
CURRENT FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-20
PRIOR FILING DATE: 1998-11-20
PRIOR FILING DATE: 1998-04-07
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT CORGANISM: Artificial Sequence ORGANISM: Artificial Sequence: PERTURE: PERTURE: OTHER INFORMATION: Description of Artificial Sequence: Abetal3-28 OTHER INFORMATION: peptide with carboxyl terminal Cys residue OTHER INFORMATION: inserted and two added Gly residues
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 30; DB 4; Length 19; Pred. No. 8.2;
Indela
ö
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-723-927-5
Sequence 5, Application US/09723927
; Patent No. 6787138
; GENERAL INFORMATION:
  7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 85.7
Matches 6; Conservative
```

```
Sequence 5, Application US/09201430; Patent No. 6787523; GENERAL INFORMATION: APPLICANT: Schenk, Dale B. APPLICANT: Neuralab Limited
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                          TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 85.7
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 19
                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 49
US-09-201-430-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 48
US-09-723-762-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-U9-724-47/1-5
; Sequence 5. Application US/09724477
; Patent No. 6787143
; GENERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Neuralab Limited
; TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
; TITLE REFERENCE: 125703-04720US
; CURRENT APPLICATION NUMBER: US/09/724,477
; CURRENT FILING DATE: 2000-11-28
; PRIOR FILING DATE: 1998-11-30
; PRIOR FILING DATE: 1998-11-30
; PRIOR FILING DATE: 1997-12-02
; PRIOR FILING DATE: 1998-11-30
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 5
                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Neuralab Limited

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

TITLE REFERENCE: 152703-004720US

CURRENT FILING DATE: 2000-11-28

CURRENT FILING DATE: 2000-11-28

PRIOR APPLICATION NUMBER: US 60/067,740

PRIOR PILING DATE: 1999-11-30

PRIOR FILING DATE: 1998-04-07

NUMBER OF SEQ ID NOS: 5

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 5

LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:Abetal3-28 OTHER INFORMATION: peptide with carboxyl terminal Cys residue OTHER INFORMATION: inserted and two added Gly residues NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ô
                                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  88.2%; Score 30; DB 4; Length 19; 85.7%; Pred. No. 8.2; 1; Mismatches 0; Indels
                                                                                                       Score 30; DB 4; Length 19;
Pred. No. 8.2;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; LOCATION: (1) OTHER INFORMATION: Xaa = acetyl histidine US-09-724-489-5
                              LOCATION: (1) OTHER INFORMATION: Xaa = acetyl histidine US-09-723-927-5
                                                                                                                                                                                                                                                                                                                         Sequence 5, Application US/09724489 Patent No. 6787140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                             88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                             Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 QKLVFFA 9
                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                            :||||||
3 QKLVFFA 9
                  NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-724-477-5
                                                                                                                                                                                                                                                                                         RESULT 46
US-09-724-489-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                              ò
                                                                                                                                                                                                                              g
```

```
ö
                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/09723762

| Sequence 5, Application US/09723762
| Patent No. 6787144
| Patent No. 6787144
| GENERAL INFORMATION:
| APPLICANT: Schenk, Dale B. APPLICANT: Schenk, Dale B. TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease ITLE REPERBNCE: 152704-064720US
| TITLE REPERBNCE: 152704-064720US
| CURRENT APPLICATION NUMBER: US/09/723,762
| CURRENT APPLICATION NUMBER: US 60/067,740
| PRIOR APPLICATION NUMBER: US 60/067,740
| PRIOR FILING DATE: 1998-11-30
| PRIOR FILING DATE: 1998-04-07
| NUMBER OF SEQ ID NOS: 5
| SOFURAR: PatentIn Ver: 2.1
| SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence:Abetal3-28 OTHER INFORMATION: peptide with carboxyl terminal Cys residue OTHER INFORMATION: inserted and two added Gly residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Abetal3-28
OTHER INFORMATION: peptide with carboxyl terminal Cys residue
OTHER INFORMATION: inserted and two added Gly residues
FEATURE:
NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%; Score 30; DB 4; Length 19;
85.7%; Pred. No. 8.2;
7ative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                    88.2%; Score 30; DB 4; Length 19; 85.7%; Pred. No. 8.2; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (1) OTHER INFORMATION: Xaa = acetyl histidine US-09-723-762-5
                                                                                                                                                             COATION: (1) TO CAMPION: Xaa = acetyl histidine US-09-724-477-5
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 75, Application US/09724551
; Sequence 75, Application US/09724551
; Patent No. 6787637
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
TITLE OF INVENTION:
FILE REFREENCE: 152703-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT APPLICATION NUMBER: US/09/580,018
FRIOR FILING DATE: 2000-01-28
FRIOR FILING DATE: 2000-01-28
FRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PATENTIN OF 2. 2. 3
LENGTH: 19
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease CURRENT APPLICATION WHORE: US/09/201,430
CURRENT APPLICATION WHORE: US/09/201,430
CURRENT FILING DATE: 1998-11-30
PRIOR PILING DATE: 1997-12-02
PRIOR APPLICATION NUMBER: US 60/067,740
PRIOR APPLICATION NUMBER: US 60/080,970
PRIOR FILING DATE: 1998-04-07
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIN Ver. 2.1
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence:Abeta 13-28 OTHER INFORMATION: peptide with two Gly residues added and inserted OTHER INFORMATION: Cys residue
                                                                                                                                                                                                                                                                                                                  FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Abetal3-28
OTHER INFORMATION: peptide with carboxyl terminal Cys residue
OTHER INFORMATION: Inserted and two added Gly residues
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: Xaa = acetyl histidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88.2%; Score 30; DB 4; Length 19;
85.7%; Pred. No. 8.2;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  88.2%; Score 30; DB 4; Length 19; 85.7%; Pred. No. 8.2; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , LUCLATION: (1) 7, OTHER INFORMATION: Xaa = N-acetyl His US-09-724-551-75
                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : | | | | | | | 3 QKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 50
US-09-724-551-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-201-430-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
```

Search completed: March 9, 2005, 06:42:59 Job time : 19.6986 secs

ń

OKLVFFA 9

원

THIS PAGE BLANK (USTIU)

5.1.6 Compugen Ltd. GenCore version Copyright (c) 1993 - 2005

protein search, using sw model OM protein - March 9, 2005, 06:11:36 ; Search time 63.9452 Seconds (without alignments) 36.290 Million cell updates/sec Run on:

US-10-009-122-3 29 Perfect score: Sequence:

1 KLVFFA 6

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2105692 seqs, 386760381 residues Searched:

2105692 Total number of hits satisfying chosen parameters:

seq length: 0 seq length: 200000000 Minimum DB Maximum DB

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

geneseqp1980s:*
geneseqp1990s:*
geneseqp2000s:*
geneseqp2001s:* geneseqp2003as:* geneseqp2003bs:* geneseqp2004s:* A_Geneseq_16Dec04:* 1: geneseqp1980s:* geneseqp2002s:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

					SUMMAKIES	
Result No.	Score	Query Match	Length DB	DB	ID	Description
	29	100.0	9		AAW02314	Aaw02314 Beta-amvl
8	29	100.0	9	~	AAW89378	Aaw89378 Beta-amyl
٣	29	100.0	9	4	AAB48484	Aab48484 Antifibri
4	29	100.0	9	4	AAB48476	Aab48476 Antifibri
ß	29	100.0	9	4	AAB82632	Aab82632 All-D pep
9	29	100.0	9	ß	ABG71009	Abg71009 Long form
7	29	100.0	9	Ŋ	ABB05157	
80	29	100.0	y	'n	AAU96820	Aau96820 Amyloid t
9	29	100.0	9	Ŋ	ABB83305	Abb83305 Amyloid-b
10	29	100.0	9	IJ	AAU11658	8
11	29	100.0	9	S	AAU11650	Aaul1650 Peptide #
12	29	100.0	9	9	AAE35445	Aae35445 Abeta pep
13	29	100.0	9	9	AAE35434	Abeta
14	29	100.0	Q	æ	ADJ64060	0 Human
15	29	100.0	φ	8	ADQ37271	Adq37271 Vaccine a
16	29	100.0	9	80	ADQ37315	Adq37315 Antifibri
17	29	100.0	9	œ	ADQ37368	Adq37368 Beta-amyl
18	29	100.0	9	æ	ADQ37269	Adq37269 Vaccine a
19	29	100.0	φ	œ	ADQ37292	Adq37292 Vaccine a
20	29	100.0	9	œ	ADQ37258	Adq37258 Vaccine a
21	29	100.0	φ	æ	ADQ37353	Adq37353 Beta-amyl
22	29	100.0	9	ω	ADQ37323	Adq37323 Antifibri
23	29	100.0	7	7	AAR88300	Aar88300 Non-amnes
24	29	100.0	7	~	AAR87921	Aar87921 Test pept
25	29	100.0	7	N	AAW02312	Aaw02312 Beta-amyl

9376 Beta- 7281 Resid	5 Antifi 2 Antifi	1 Antif		10 All-D	19 A1	7 Long f	55 Be	17 Am	2 Am	8 An	O Humar	5 Pepti	9 Pepti	1666 Pepti	2630 Abeta	5439 Abeta	5454 Abeta	3453 Abeta	17 Solid	64 Anti-	16 Humar	55 Humar	Adj64058 Human bet	2 Beta-	18 Vacci	114 Antif	263 Vacci	279	330 Anti	331 Anti	37351 Beta	310 Beta	67 Pept	2551 Amy]	9374	e10663 Huma	15 Human
3937	4 AAB48475 4 AAB48492	AAB4849	AAB8262	AAB8264	AAB826	ABG7100	ABB0515	AAU9682	AAU9681	AAU9682	ABB0492	AAU1166	AAU116	AAU1166	ABB8263	AAE3543	AAE3545	AAE3545	ADA9093	ADA9015	ADD2074	ADF5085	ADJ64	ADP6492	ADQ3727	ADQ3731	ADQ372	ADQ3727	ADQ3733	ADQ373	ADQ3735	AAW0231	AAW459	AAW3255	AAW8937	AAE1066	AAE0261
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	1	7	7	7	7	7	7	7	7	80	œ	œ	æ	œ	σο
。。	00	00	00	00	8	00	00	00	00	00	00	00	00	00	00	99	00	90	00	8	89	90	80	00	80	00	00	00	00	00	00	00	00	00	00	80	00
2 2 3 9	7 7 7 7 7	29	53	53	53	29	53	53	53	53	53	53	53	53	53	59	53	53	53	29	53	53	29	53	53	5	53	5	53	53	53	53	53	53	53	53	29
26 27	28 29	30	31	32	33	34	32	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	23	54	22	26	57	28	59	09	61	62	63	64	65

ALIGNMENTS

AAW02314 standard; peptide; 6 AA. RESULT 1 AAW02314

AAW02314;

Beta-amyloid modulator peptide #5.

(first entry)

02-MAY-1997

Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiac amyloidosis; systemic senile amyloidosis; insulinoma; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage. axaxaxaxaxaxaxaxaxaxaxaxaxa

WO9628471-A1 19-SEP-1996 Synthetic.

96WO-US003492. 14-MAR-1996;

95US-00404831. 14-MAR-1995; 07-JUN-1995;

()

```
Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB48484;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB48484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                       AAW02310_W02332 represent the peptide portions of the beta-amyloid coding to the invention. Beta-amyloid peptide is a 4 modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of amyloid plaques are present both in the brain lesions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The the walls of cerebral blood vessels in Alzheimer's disease patients. The amyloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a bottin containing group, or a fluorescein containing group. These compounds then modulate the agracagation of these sequences to natural amyloid proteins or peptides when contexted with the natural amyloid proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with the natural completed cardiac amyloidosis systemic senile amyloidosis, scrapie, collated cardiac amyloidosis systemic senile amyloidosis, scrapie, comburopathy with urticaria and deafiness, hereditary cerebral hamorrhage computed the protein or peptides and other types of amyloidosis. The modulators are also useful for the training and deafiness, hereditary cerebral hamorrhage contented anyloidosis, and other types of amyloidosis. The modulators are also useful for the training and performance and other types of amyloidosis. The modulators are also useful for the contents and performance and other types of amyloidosis. The modulators are also usefully
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bAP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                      ŝ
                                                                                                                                         Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in tregrament of Alzheimer's disease.
                                                   n H, Garnick MB, Gefter ML, Hundal A;
Signer BR, Wakefield J, Reed MJ, Molineaux
Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 29; DB 2; Length 6; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beta-amyloid peptide derivative A-beta-16-21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                     page 91; 106pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW89378 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96US-00612785.
   95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-MAR-1999 (first entry)
                               (PHAR-) PHARM PEPTIDES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                            Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alzheimer's disease
                                                            Findeis MA, Benjami
Kasman L, Musso G,
Kubasek W, Chin J,
                                                                                                                  WPI; 1996-433762/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||||||
KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US5854204-A.
    27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW89378;
                                                                                                                                                                                                         Claim 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    유
```

```
The present invention describes beta-amyloid peptide (DAP) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. The bAP derivatives are also used to diagnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives. Some bAP derivatives inhibit bAP aggregation even when bAP is present in molar excess. The present sequence represents a bAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nootropic, neuroprotective, antifibrillogenic, amyloidosis inhibition, cytoprotection, amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                       New peptide(s) derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                       Kasman L, Musso G, Molineaux S, Benjamin H;
Lee J, Kelley M, Reed M, Wakefield J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 2; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                   e J, Kelle)
Signer ER;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 12; Col 64; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB48484 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antifibrillogenic peptide #11.
95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-MAY-2000; 2000WO-CA000515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99US-0132592P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-MAR-2001 (first entry)
                                                                                                                                                                                             Lee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gervais F,
                                                                                                              (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                Hundal A, Gefter ML, K
Findeis MA, Chin J, Le
Garnick MB, Kubasek W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                            WPI; 1999-094964/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-MAY-1999;
  14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid protein
                                                                                                                                                                                                                                                                           for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                            Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                 Peptides AAB48474-B48496 are antifibrillogenic agents that can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 29; DB 4; Length 6;
Pred. No. 1.8e+06;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB48476 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 7; Page 25; 46pp; English
                                                                                                                                                                                     Claim 7; Page 25; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity 100.0%; 6; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99US-0132592P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antifibrillogenic peptide #3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-MAY-2000; 2000WO-CA000515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chalifour R, Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC
WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||||||
KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB48476;
                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB48476
```

ò 요 Sequence 6 AA;

```
The present sequence is tract of an arrive percent sequence in the present sequence is tract of the present sequence is tract of the present sequence is tract of the present sequence in humans. It is based on a portion of anyloid-beta peptide (see AABB2622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid fragments. Vaccines of the invention are produced using 'non-self' peptides synthesised from the unnatural D-configuration amino acid to avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with a flast 1 region of a mamyloid protein, e.g. the beta-sheet region or adgregated to be operative or immunogenic derivative peptides and fragments, protein conjugates, immunogenic derivative peptides and immunogenic peptidoming site region, the amyloid-beta peptide and the all-D derivative peptides given immunogenic peptidoming to residues 1.42, 1.40, 1.35, 1.28, 1.7, 10.16, 16-21 and corresponding to residues late and the all-D derivative peptides given in AABB2623.64. The vaccine elicits a preferential TH-2 or TH-1 response, preventing fibrillogenesis and associated cellular toxicity. The amyloid related diseases may be localised amyloidosis, e.g. diabetes type II, neurodegenerative diseases, e.g. bovine spongiform encephalitis,
                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is that of an all-D peptide suitable for use for
                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                 Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                     ö
 9
                                     Indels
 Length
                                                                                                                                                                                                                                                                                                                             All-D peptide used in Alzheimer's disease vaccine
Score 29; DB 4; 1
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . .6
note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gervais F;
                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kong X,
                                                                                                                                                                                                            AAB82632 standard; peptide; 6 AA.
                                       ;
0
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC.
 Query Match
Best Local Similarity`
Matches 6; Conservat
                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                      therapy; antigen.
                                                                                                   KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chalifour R,
                                                                                                                                                                                                                                                                                       02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                    AAB82632;
                                                                                                                                                                                              AAB82632
                                                                             ઠે
                                                                                                             유
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment coupled to a modifying group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or peptides. The modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid cardiomyopathy; isolated cardiac amyloid; systemic senile amyloidosis; scrapbe; myeloma; bovine spongiform encephalopathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; primary localised cutaneous nodular amyloidosis; sociated amyloidosis; hereditary cerebral haemorrhage with amyloidosis; Sjogren's syndrome; hereditary non-neuropathic systemic amyloidosis; Muckle-Wells syndrome; hereditary non-neuropathic systemic amyloidosis;
Creutzfeldt-Jakob disease, scrapie, cerebral amyloid angiopathy, and prion protein related disorders, or systemic amyloidosis associated with chronic infection (e.g. tuberculosis) or chronic inflammation (e.g. tuberculosis) or chronic inflammation (e.g. amyloidosis found in long-term haemodialysis patients. The present all-beptide was demonstrated to elicit antibody production in rabbits, and provided greater anti-fibrillogenic activity than its all-L equivalent
                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hundal A;
                                                                                                                                                                                             Length 6;
                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hunc
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ
                                                                                                                                                                                         100.0%; Score 29; DB 4; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Long form beta-amyloid protein fragment #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                     ABG71009 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95US-00404831.
95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-OCT-2001; 2001US-00972475.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nereditary non-neuropathic B)
Eamilial Mediterranean Fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-DEC-2002 (first entry)
                                                                                                                                                                              Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-697709/75.
                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2002098173-A1.
                                                                                                                                                            Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-MAR-1995;
07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ношо варіепв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-0CT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                            ABG71009;
                                                                                                                                                                                                                                                                                                                                                                    RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                        8888888888
                                                                                                                                                                                                                                                                           ò
```

```
isolated cardiac amyloid, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jākob disease, adult onset diabetes, Gerstmann-Straussler-Scheinker syndrome, insulinoma, isolated cartial amyloidosis, idiopathic (primary) amyloidosis, melona or actrial amyloidosis, primary localised cutaneous condular amyloidosis associated with Sjogren's syndrome, reactive codular amyloidosis, familial Mediterranean Fever and familial emyloido nephropathy with urticaria and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icalandic type, hereditary cerebral haemorrhage with amyloidosis of Icalandic type, amyloidosis associated with long term haemodialysis, hereditary non-europathic systemic amyloidosis of the thyroid, familial amyloid polyneuropathy (III), familial amyloidosis of the thyroid, fibrinogen associated hereditary carcinoma of the thyroid, fibrinogen associated hereditary crean amyloidosis. The compound is capable of altering and inhibiting beta-amyloidosis. The compound is capable of altering and inhibiting beta-amyloidosis. The contacted with a molar excess amount of natural beta-Aps cerelative to the modulator. This sequence represents a fragment of the Application of the an amyloid modulator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobiai; auditory; antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polyneuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 29; DB 5; Length 6; 100.0%; Pred. No. 1.88+06; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      n H, Garnick MB, Gefter ML, Hund
Signer BR, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beta amyloid peptide (16-21) SEQ ID NO:9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABB05157 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Musso G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
nes 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US6319498-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Кавшап L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB05157;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB05157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
```

```
WO200224727-A2.
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-MAR-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABB83305;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fraser P;
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB83305
  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                             intidabetic, antipyretic, dermatological, cardiovascular, nephrotropic, antidabetic, antipyretic, dermatological, cardiovascular, nephrotropic, and dantidabetic, antipyretic, dermatological, cardiovascular, nephrotropic, and auditory activities, and can be used as a natural mayloid aggregation; inhibitor and a neurotoxicity inhibitor of natural beta amyloid aggregation; cheara-Ap). (I) are used in the manufacture of a medicament for the diagnosis or treatment of an amyloidospanic disease e.g. Alzheimer's clisease and other clinical occurrences of beta amyloid deposition such as Down's syndrome individuals and in patients with hereditary cerebral amyloidosis with amyloidosis, and for treating a disorder associated with amyloidosis, and for treating a disorder associated with amyloidosis undid polyneuropathy. (I) reduces the control beta-Ap aggregates to cultured neuronal cells. (I) not only reduces the formation of neurotoxic aggregates but also have the ability to reduce the neurotoxicity of performed A-beta fibrils. The present sequence represent invention control of the present invention.
                                                                                                                                                                                                                                                                                                        ö
                        The present invention describes an amyloid modulator compound (I) comprising an aggregation core domain and a modifying group attached to
                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; Alzheimer's diaese; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis; cerebral amyloid anglopathy.
                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD;
                                                                                                                                                                                                                                                                                 Length 6;
                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                              100.0%; Score 29; DB 5; L 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chalifour R, Migneault D;
                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Ala is amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
1..6
Disclosure; Col 18; 54pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                      AAU96820 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amyloid targeting peptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JUL-2000; 2000US-0220808P
24-JUL-2001; 2001US-00915092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JUL-2001; 2001WO-CA001071
                                                                                                                                                                                                                                                                Query Match
Query Match
Best Local Similarity 100.00
Bernan 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-371447/40
                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Misc-difference 1
                                                                                                                                                                                                                                                                                                                                 1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                         KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200207781-A2
                                                                                                                                                                                                                                                        Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU96820;
                                                                                                                                                                                                                                                                                                                                                                                               RESULT 8
 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                    8
```

```
The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The cagent is of general formula A.L.(A.l.n.K.z.A.l.n.B. a.b.l.a.b.l.) where z = 0 - 1; C. A.L. a mayloid targeting moiety. Also included are Imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving administering (I) to the patient. Also included are Imaging amyloid deposition or camarisating (I) to the patient. Of amyloid or amyloid related condition or administering (I) to the patient. A man dutrasound imaging (I) in the patient to determine the presence of amyloid or amyloid-related condition. C. and a kit for preparation and use of the radiopharmaceutical in instructions for the preparation and use of the radiopharmaceutical in creptaing agent, a buffering agent, a transchelating agent, and instructions for the preparation and use of the radiopharmaceutical in credit of amyloid or an amyloid-related condition. The agents are used for imaging amyloid deposition and for diagnosing an amyloid related condition e.g. Creutzfeldt.Jakob disease (CUD), kuru, transmissible creapain amyloidoses (transmissible virus dementiae), familial CUD, creapain amyloidoses (transmissible virus dementiae), familial CUD, creapain amyloidosis, feline spongiform encephalopathy, non-transmissible creapable, prinary amyloidosis, feline spongiform encephalopathy, non-transmissible creapable of primary amyloidosis, light chain-related amyloidosis, parents are capable of crossing the blood-brain character and are capable of binding specifically to amyloid plaques. The greent sequence is a peptide forming the amyloid cargeting moiety of the consent sequence is a peptide forming the amyloid diagoses.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; islet amyloid polypeptide; IAPP; antifibrillogenic; amylin;
fibrillar accumulation; amyloidosis; diabetes; cytoprotection; nootropic;
chronic infection; tuberculosis; inflammation; rheumatoid arthritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fever; neurodegenerative disease; scrapie; neuroprotective; antipyretic; bovine appongy form encephalitis; Creutzfeldt-Jacob disease; amyloid-beta; Alzheimer's disease; cerebral amyloid angiopathy; anti-diabetic; tuberculostatic; antiarthritic; antirheumatic; cerebroprotective.
New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 5; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amyloid-beta (Abeta) peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB83305 standard; peptide; 6 AA.
                                                                                                                                                            57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-SEP-2001; 2001WO-CA001333.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-SEP-2000; 2000US-0233482P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UTOR ) UNIV TORONTO
                                                                                                                                                       Claim 49; Page 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVFFA 6
```

Gaps

ö

Indels

us-10-009-122-3.rag

```
Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                     Disclosure; Page 5; 77pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU11658 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Green AM, Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-075222/10.
WPI; 2002-519078/55.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ||||||
KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAU11658;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU11658
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \texttt{XXFFFXXXX}\\ \texttt{SOURCE}\\ \texttt{SOUR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral myloid angiopathy, particularly Alzheimer's disease, hereditary cerebral. The present sequence represents one of a group of peptides (AAU11648-AAU11669, AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The 'Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                 The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral amyloid hemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11659, AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide #3, used as a carrier for amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                               Length 6;
                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 5; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure, Page 10, 68pp; English.
Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU11650 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
6; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KĽVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200185093-A2.
                                                                                                                                                                                                                                                                                                                                                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU11650;
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAU11650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8 \times 55555555555555558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                 The present invention relates to antifibrillogenic agents (ABB83281-ABB83298), derived from human islet amyloid polypeptide (IAPP, ABB83307).

The present sequence is a peptide fragment of the amyloid-beta (Abbeta) peptide. Aggregation of IAPP, also known as amylin, or Abeta results in ceptides prevent fibril formation and amyloidosis. The antifibrillogenic peptides prevent fibril formation and amyloidosis and hence control folding or deposition of amyloid proteins. The antifibrillogenic peptides of the invention are useful in the manufacture of a medicament for inhibiting or treating amyloidosis or amyloid deposits e.g. Type I and Type II diabetes and/or for cytoprotection. They are also useful for treating secondary amyloidosis associated with chronic infection e.g. tuberculosis and chronic inflammation e.g. rheumatoid arthritis, and familial inflammation, fever, neurodegenerative diseases e.g. scrapie, bovine spongy form encephalitis, Creutzfeldt-Jacob disease, Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide #11, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                         New antifibrillogenic peptide useful for inhibiting amyloidosis and/or for cytoprotection in the treatment of amyloidosis disorders e.g. type I \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 5; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cerebral amyloid angiopathy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0171877P.
```

```
invention
                                                                                                                                                                                                                                   AAE35434;
                                                                                          Matches
                                                                                                                                                                                   RESULT 13
                                                                                                                                                                                                AAE3543
                                                                                                                                                                                                                      SSXS
                                                                                                                                           ద
                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D amyloid-bet apoptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and cavours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including continuities, and varieties, juvenile chronic architis, and varieties, and crohn's carbuities, and varieties, psoriated architopathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus ulcers, chronic pyelonephritis, ostcomyelitis and Whipple's disease).

Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The
                                                    ö
                                                                                                                                                                                                                                                                   All-D-amyloid-beta peptide, Alzheimer's disease, rheumatoid arthritis, cerebral amyloid angiopathy, amyloid disease, ankylosing spondylitis, portasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma, nootropic; chronic pyelonephritis; osteomyelltis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prevention and/or treatment of an amyloid-related disease e.g.
Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                    ;
                          Length 6;
                                                  Indels
                          100.0%; Score 29; DB 5; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chalifour RJ, Kong X;
                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                  l. .6
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                   AAE35445 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                      (first entry)
                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-201269/19.
                        Query Match
Best Local Similarity
                                                                            9
                                                                                                                                                                                                                                              Abeta peptide #16.
                                                                                                                                                                                                                                                                                                                                                                                                     Key
Misc-difference
                                                                            1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200296937-A2
Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Modified-site
                                                                                                                                                                                                                                                                                                                                                                           Unidentified
                                                                                                                                                                                                                    17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-DEC-2002
                                                                                                                                                                                            AAE35445;
                                                  Matches
                                                                                                                                         RESULT 12
                                                                                                                                                    AAE35445
တ္တ
                                                                                                                                                                               ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung
present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cerebral amyloid anglopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Siill's disease; Bechet's syndrome; Corbn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D - amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and arouns the clearance of soluble amyloid-beta or fibril amyloid-beta fro the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     peptide; Alzheimer's disease; rheumatoid arthritis;
                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                   Length 6;
                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                               Score 29; DB 6; ]
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kong
                                                                                                                                                                                                                                                       Mismatches

    .6
    /note= "D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE35434 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 58; 44pp; English.
                                                                                                                                                                                                                                                       ..
                                                                                                                                                                               100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-JUN-2003 (first entry)
                                                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     All-D-amyloid-beta
                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                               KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Abeta peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200296937-A2
                                                                                                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-DEC-2002.
```

à

```
ADQ37271;
                                                                                                                                                                                                                                                           RESULT 15
ADQ37271
                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                8
88888888888888
                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder associated with amyloidosis, particularly familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Gerstmann-Straussler-Scheinker syndrome, adult onset diabetes, insulinoma, isolated atrial amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary localized cutameous nodular amyloidosis associated with Sjogren's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever
                                                                                                   ö
 and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The
present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                  Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; familial amyloido polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; diabetee; insulinoma; myeloma; Sjogrem's syndrome; familial mediterranean fever; urticaria; deafness; hereditary cerebral haemorthage; haemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis; beta-amyloid peptide; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                   Gaps
                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gefter ML, Hundal A;
ield J, Reed MJ;
                                                                                                   Indels
                                                                           Length
                                                                                                                                                                                                                                                                                        Human beta-amyloid long form peptide fragment #6.
                                                                           100.0%; Score 29; DB 6; I
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Musso G, Signer ER, Wakefield J,
                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 12; SEQ ID NO 9; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Benjamin H, Garnick MB,
                                                                                                                                                                                                                  ADJ64060 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-WAR-1995; 95US-00404831.
07-UUN-1995; 95US-00475579.
27-OCT-1995; 95US-00548998.
14-WAR-1996; 96US-00517267.
04-OCT-2001; 2001US-00972475.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-JUN-2003; 2003US-00463729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                  (first entry)
                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-131767/13.
                                                                               Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                              1 KLVFFA 6
                                                                                                                                                   KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2004005307-A1.
                                                        Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Findeis MA,
                                                                                                                                                                                                                                                                   06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kasman L,
                                invention
                                                                                                                                                                                                                                            ADJ64060;
                                                                                                                                                                                                       g
       ន្តដ្តន្ត្
```

```
Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
senile dementia; Down's syndrome; inclusion body myositis;
cerebrovascular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
and familial amyloid nephropathy with urticaria and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemodialysis, hereditary non-neuropathic systemic amyloidosis (familial amyloid polyneuropathy III), familial amyloidosis of Finnish type, amyloidosis associated with medullary carcinoma of the thyroid, fibrinogen associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The present sequence is beta-amyloid peptide fragment used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
aneuroprotective; cerebroprotective; haemostatic; ophthalmological;
antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                  Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
                                                                                                                                                                                                                                                                                                                                                                                                              ; Score 29; DB 8; I
; Pred. No. 1.8e+06;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ37271 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KLVFFA
                                                                                                                                                                                                                                                                                                                                                                 Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
```

```
The present interaction describes compositions (c) comparising; (a) a first agent (al) that prevents or treats amyloid-bet a related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that conducts a myloid-bet afibril formation or induces a prophylactic or therapeutic immune response against amyloid-bet alphylactic or therapeutic immune system modulator that prevents or inhibits amyloid-bet (ii) an immune system modulator that prevents or inhibits amyloid-bet (bbril formation) and fibril formation. Also described is a kit comprising (C). (C) have coortopic, neuroprotective, carebroprotective, haemostatic, tranquilliser, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, ophthalmological, antithyroid, vasotropic, cardiovascular, cardionar, anti-HIV, antiparkinsonian, muscular, cordinar, antidebressant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e. 3 Alzheimer's disease (including sporadic (non-hereditary)) or familial (hereditary), mild cognitive impairment, vascular dementia, cerebral complexity, hereditary cerebral haemostrabac, senile dementia, comyloid anglopathy, hereditary cerebral haemostrabac, senile dementia, comyloid anglopathy, hereditary cerebral haemostrabac, senile dementia, condition body myospitis, age-related manular cdisease, memory loss, anxiety, a behavioural dysfunction (e.g. Auntington's disease, amyloid-senitary) or anxiety, a behavioural dysfunction (e.g. Auntington's disease, amyloid-sease, aphasia, apraxia, agnosia, pick disease, dementia contition, allerness, actuares, sensory loss, visual field deficits incoordination gait disturbance, transient ischaemic cattack transient alertness, actures, sensor house, alertness, actual condition deficit, frequent falls, hammone, brain tumour, posttraumatic brain injury, or posthypoxis, or alloinestion, eastual diserder, weight loss, or st
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    illusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposite. The present sequence represents a peptide that can be used as a vaccine antigen in the exemplification of the
                                                                                               present invention describes compositions (C) comprising: (a) a first
                                  Disclosure; Page 67; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  present invention.
```

ö Gaps ö 100.0%; Score 29; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; Indels ö 0; Mismatches 6; Conservative Query Match Best Local Similarity Sequence 6 AA; Matches

9 1 KLVFFA 셤

ADQ37315 standard; peptide; 6 AA. (first entry) 07-OCT-2004 ADQ37315; RESULT 16

Antifibrillogenic amyloidosis inhibiting peptide.

amyloid-beta; amyloid-beta related disease; amyloid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; mild-to-moderate cognitive impairment; vascular dementia; cerebral amyloid angiopathy; hereditary cerebral haemorrhage;

senile dementia; Down's syndrome; inclusion body myositis; ge-related macular degeneration; hypothyroidism; cerebrovascular disease; cardiovascular disease; memory loss; anxiety; behavioural dysfunction; neurological condition; psychological condition; vaccine antiqen.

Synthetic.

WO2004058239-A1

15-JUL-2004.

24-DEC-2003; 2003WO-CA002021

24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.

(NEUR-) NEUROCHEM INT LTD.

WPI; 2004-543342/52.

Gervais F, Bellini F;

Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.

Disclosure; Page 69; 143pp; English.

The present invention describes compositions (C) comprising: (a) a first captured (ist) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidemietic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta for interperotective, haemostatic, cophthalmological, antithyroid, vasotropic, cardiovascular tranquilliser, uropathic, anticonvulsant, antidepressant, endocrine and hypnotic activities, and east a myloid-beta fibril formation modulators, and season and be used as amyloid-beta fibril formation modulators, and as a much beta disease (a) Alzheimer's disease (including sporadic (and-ob-beta related disease e). Alzheimer's disease (including sporadic (and-ob-beta related disease e). Alzheimer's disease (including sporadic (and-ob-beta related disease e). Alzheimer's disease (including propathy, hereditary or erebral hemorrhage, senile dementia, own's syndrome, inclusion body myositis, age-related macular (con-hereditary) or a condition associated with Alzheimer's disease.

Con-hereditary or a condition associated with Alzheimer's disease, monory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, amyotrophic lateral sclerosis, acquired immunodeficiency, attack moders, incontinence), a neurological condition deficit, frequent falls, with Lewy bodies, altered mucole tone, seizures, sensory loss, altered mucole condition, beautiour, postraumatic brain influty, and deficits, feases, amyotrophic laderal aparticity, normal pressure dyscopenania, behavioural disinhibition, poor insight, suicidal disturbance

Sequence 6 AA;

Gaps ; 100.0%; Score 29; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels 6; Conservative Query Match Best Local Similarity Matches

```
agent (a1) that prevents or compositives (a) comparishes, as a second agent (a2) that is: (i) a peptide or peptidemimetic that modulates amyloid-beta fibril formation or induces a prophylactic that medulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or fill an immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprisaing (C). (C) have nootropic, neuroprotective, crebroprotective, haemostatic, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, uropathic, anticonvulsant, anti-HIV, antiparkinsonian, muscular, anticonvulsant, antidepressant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cerebrovascular disease, cardiovascular disease, memory loss, anxiety;
behavioural dysfunction, neurological condition, psychological condition,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention describes compositions (C) comprising: (a) a first
                                                                                                                                                                                                                                                                               amyloid-beta; amyloid-beta related disease; amyloid-beta fibril formation; immune response; nootropic; amyloid-beta fibril formation; immune response; nootropic; anteuroprotective; haemostatic; ophthalmological; antithyroid; vasotropic; cardiour; tranquilliser; uropathic; anticorvulsant; antidorsesant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; mild-to-moderate cognitive impairment; vascular dementia; eserbaral mayloid anglopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age-related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /label= bAla
/note= "beta-alanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 87; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                  ADQ37368 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                   Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2004058239-A1.
                      |||||
KLVFFA
KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2004.
                                                                                                                                                                                                                07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                         ADQ37368;
                                                                                                                    ADQ37368
                                                                                                                                    ò
                                    셤
```

```
cc amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-heroditary) or familial (hereditary)), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, coreavaluar comparation, or a condition associated with Alzheimer's disease degeneration, or a condition associated with Alzheimer's disease (including hypothyroidism, cerebrovascular disease, cardiovascular cisease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's disease, amyorrophic lateral sclerosis, acquired immunodeficiency, parklison's disease, aphasia, apraxia, agnosia, Pick disease, dementia with Lewy bodies, altered muscle tone, selzures, sensory loss, visual field deficits, incoordination, gait disturbance, transient alextness, attention deficit, frequent falls, attack, or stroke, transient alextness, attention deficit, frequent falls, haematoma, brain tumour, posttraumatic brain injury, or posthypoxic camage), or a psychological condition (e.g. depression, delusains, subdural disturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideaturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideaturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideaturbance, insomnia, behavioural disinhibition, mandle mustain in an amject e.g. human having a genomic mutation in amyloid precursor protein gene, an ApoE gene, or a presentis a betarnamyloid modulator peptide which is used in the exemplification of the present inventiva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid-beta; amyloid-beta related disease;

KW amyloid-beta fibril formation; immune response; nootropic;

KW meuroprotective; cerebroprotective; haemostatic; opthhalmological;

KW meuroprotective; cerebroprotective; haemostatic; opthhalmological;

KW antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

KW anticonvulsant; antidepressant; endocrine; hypnotic;

KW anyloid-beta fibril formation modulator; immune system modulator;

KW Alzheimer's disease; mild cognitive impairment; vascular dementia;

KW mild-to-moderate cognitive impairment; vascular dementia;

KW mild-to-moderate manipathy; hereditary cerebral haemorrhage;

KW senile dementia; Down's syndome; inclusion body myositis;

KW senile dementia degeneration; hypothyroidism;

KW age-related macular degeneration; hypothyroidism;

KW cerebrovascular disease; cardiovascular disease; memory loss; anxiety;

KW vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 8; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        . .6
'note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ37269 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-0CT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ37269;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 18
ADQ37269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
```

Vaccine antigen amyloid-beta related amino acid sequence.

07-OCT-2004 (first entry)

ADQ37292;

```
conditions that prevents or treates amyloid-beta related disease; and (b) a gent (al) that prevents or treates amyloid-beta related disease; and (b) a second agent (al) that prevents or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation or induces a prophylactic or pottland in immune system modulator that prevents or inhibits amyloid-beta fibril formation modulators, and as modulators. (C) can be used as amyloid-beta fibril formation modulators, and as modulators. (C) can be used for preventing or treating an can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an exploid-beta fibril formation modulators, and as immune system modulators. (C) can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used as amyloid-beta fibril formation for treating or treating an exploid beta related disease e.g. Alzabamer's disease (induding sporadic (C) on the preditary or familial (Hereditary)), mild cognitive impairment, on condition associated with Alzabamer's disease. (Including hypothyroidism, creebral hamorrhage, senile dementia, nown's syndrome, including nowny loss, anxiety, a behavioural dysfunction (e.g. apathy, disease, amyotrophic lateral sclerosis, acquired immunodeficiency, alsease, amyotrophic lateral sclerosis, acquired immunodeficiency, cattack or stroke, transient alsease, sensory loss, usual tield deficits, incoordination, gait disturbance, transient lateral disturbance, transient alteral disturbance, psychological condition (e.g. depression, or a psychological condition, escapeute sorget pretain s
                                                                                                                                                                                                                                                                        Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                   present invention describes compositions (C) comprising: (a) a first
                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 67; 143pp; English.
                                         24-DEC-2003; 2003WO-CA002021
                                                                                24-DEC-2002; 2002US-0436379P 23-JUN-2003; 2003US-0482214P
                                                                                                                                              (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                       Gervais F, Bellini F;
                                                                                                                                                                                                                               WPI; 2004-543342/52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6 AA;
15-JUL-2004.
```

ö 100.0%; Score 29; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels Similarity 100.0%; 6; Conservative C Query Match Best Local Similarity Matches 6; Conserv 1 KLVFFA 6 ò

ö

Gaps

ADQ37292 standard; peptide; 6 AA. RESULT 19 ADQ37292

```
The present libration describes compositions (v) compliance (v) dead to the present (a) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that conducted amyloid-beta fibril formation. or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have crebroprotective, haemostatic. (C) have nootropic, neuroprotective, cerebroprotective, haemostatic, cophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, curopathic, anticonvulasmit, anti-HIV, antiparkinsonian, muscular, controleptic, cardiant, antidepressant, endocrine and hypmotic activities, and can be used as amyloid-beta fibril formation modulators, and as modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, amid-to-moderate cognitive impairment, vascular dementia, cerebral communication, or a condition associated with Alzheimer's disease (including hypothyroidism, cerebroular disease, memory loss, anxiety, a behavioural dysfunction (e.g. Huntington's aggression, or incontinence), a neurological condition e.g. Huntington's
                               amyloid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; neuroprotective; cardiovascular; tranquilliser; uropathic; antichyroid; antichyroid; ardiovascular; hanguilliser; uropathic; antichyroid; antichyroid; antichersesant; endorine; hypnotic; anyloid-beta fibril formation modulator; immune system modulator; amyloid-beta fibril formation modulator; immune system modulator; anyloid-beta fibril formation modulator; vacular dementia; cerebral anyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; hown's syndrome; inclusion body myositis; erelated macular degeneration; hypothyroidism; cerebrovascular disease; cardiovascular disease; memory loss; anxiety; behavioural dysfunction; neurological condition; psychological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present invention describes compositions (C) comprising: (a) a first
amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 68; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
```

WPI; 2004-543342/52

```
amyloid-beta; amyloid-beta related disease;

who mayloid-beta fibril formation; immune response; nootropic;

who meuroprotective; cerebroprotective; haemostatic; ophthalmological;

who meuroprotective; cerebroprotective; haemostatic; ophthalmological;

who mutithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;

who anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;

who artidart; antidepressant; endocrine; hypnotic;

who artidart; antidepressant; endocrine; hypnotic;

who artidepressant; endocrine; hypnotic;

who artidart antidepressant; endocrine;

who and computive impairment;

who cerebral amyloid anglopathy; hereditary cerebral haemorrhage;

who cerebral amyloid anglopathy; hereditary cerebral haemorrhage;

when dementia; Down's syndrome; inclusion body myositis;

who erelated macular deseneration; hypothyroidism;

who erebrovascular disease; cardiovascular disease; memory loss; anxiety;

who behavioural dysfunction; neurological condition;

who vaccine antigen.
                               parkinson's disease, aphasia, agraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, setzures, sensory loss, vigual teld deficite, incoordination, galt disturbance, transient ischaemic attack or stroke, transient alettness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural hemantoma, brain tumour, posttraumatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions, illusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinhibition, poor insight, suicidal deation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an Apos gene, or a presentin gene, having amyloid-beta deposite. The present sequence represents a peptide that can be used as a vaccine antigen in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
amyotrophic lateral sclerosis, acquired immunodeficiency,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 8; L. 100.0%; Pred. No. 1.8e+06; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1. .6
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ37258 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-0CT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADQ37258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ37258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X I X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X 
               8$888888888888888%&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

ö

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that a second agent (a2) that is: (i) a peptide or peptidomimetic that conditions anyloid-beta fibril formation, or therapeutic immune response against amyloid-beta dibril formation, or (ii) an immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have noortopic, neuroprotective, networking (C). (C) have not condition antidopressant, endocrime and hypnotic activities, or propertic, anticonvulsant, antidopressant, endocrime and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and a myloid-beta related disease (g) Alzheimer's disease (including sporadic or member system modulators. (C) can be used for preventing or treating an amyloid-beta related disease (g). Mill ampliation or according in the secretary or familial (hereditary), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral myloid angiopathy, hereditary cerebral haemorrhage, senile dementia, anyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, condition associated with Alzheimer's disease (androxerophic lateral sclerosis, acquired immunodeficiency, assular disease, amycrophic lateral sclerosis, acquired immunodeficiency, assular disease, anycrophic lateral sclerosis, acquired immunodeficiency, assular disease, anycrophic lateral sclerosis, acquired immunodeficiency, assular disease, anycrophic accordination, gardice, related muscle tone, seizures, sensory loss, variation, approxibation, described any passor and passor and any passor and passor and any passor and passor and any disease, any continuation, gardice and apposite, verial disease, any continuation, gardid accordination, sexal disease, any continuation, sexal disease, 
                                 Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amyloid-beta, amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective, cerebroprotective, haemostatic; ophthalmological;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti HIV; antiparkinsonian; muscular; neuroleptic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;.
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; tive 0; Mismatches 0; Indels
                                                                                                                                Disclosure; Page 67; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADQ37353 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beta-amyloid modulator peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADQ37353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADQ37353
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

Sequence 6 AA;

```
cardiant; antidepressant, endocrine; hypnotic;

May adold-ber intell formation modulator; manue eystem modulator;

May adold-ber intell formation modulator; manue eystem modulator;

Antidename disease; mile cognitive implanment; demant;

May cerebal amyloid andiopathy; bardiatar; cestant; manarchag;

Mental amyloid andiopathy; manarchag;

Mental andiopathy;

Mental
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes compositions (C) comprising: (a) a first agent (al) that prevents or treats amyloid-beta related disease; and (b) as second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C): (C) have nootropic, neuroprotective, cerebroprotective, hemostatic, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cerebrovascular disease, cardiovascular disease, memory loss, anxiety, behavioural dysfunction, neurological condition, psychological condition,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                           amyloid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; Alzheimer's disease; mild cognitive impairment; mild-to-moderate cognitive impairment; vascular dementia; erebral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; bown's syndrome; inclusion body myositis; age-related macular degeneration; hypothyroidism;
                                       ö
100.0%; Score 29; DB 8; Length 6; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                          Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                 amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 69-70; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'note= "amidated"
                                                                                                                                                                                                             ADQ37323 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                        07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (NEUR-) NEUROCHEM INT LID.
                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-543342/52.
 Query Match
Best Local Similarity
Matches 6; Conserv
                                                                             1 KLVFFA 6
                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004058239-A1.
                                                                                                                  KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                   ADQ37323;
                                                                                                                                                                         RESULT 22
                                                                                                                셤
                                                                                                                                                                                                                                 ઠે
```

Disclosure; Page 28; 51pp; English.

```
(including hypothyroidism, cerebrovascular disease, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, aggression, or incontinence), a neurological condition (e.g. apathy, aggression, or incontinence), a neurological condition (e.g. Huntington's disease, amyotrophic lateral sclerosis, acquired immunodeficiency.

Parkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy boddess, altered muscle tone, seriourse, sensory loss, visual field deficits, incoordination, gait disturbance, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, cyncope, neurological condition (e.g. depression, delusions, cordination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinhibition, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; chat can be used as an antifibrillogenic amyloidosis inhibiting peptide that can be used as an antifibrillogenic amyloidosis inhibiting peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
          neuroleptic, cardiant, antidepressant, endocrine and hypnoric activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Allaheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, mild-to-moderate cognitive impairment, vascular dementia, cerebral amyloid angiopathy, hereditary cerebral hemorrhage, senile dementia, bown's syndrome, inclusion body myositis, age-related macular degeneration, or a condition associated with Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Topographic model for amnestic peptide binding - used to design cpds. which enhance memory; and new peptide(s) so designed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     memory; enhancer; topographic model; amnestic peptide binding site;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 29; DB 8; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Non-amnestic peptide Beta-A4 (16-22).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAR88300 standard, peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93US-00117927.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94WO-US010083
  anticonvulsant,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-FEB-1996 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY ) CITY OF HOPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1995-123235/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9507093-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAR88300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            beta-A4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 23
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to three new peptides which block the amnestic effects of amyloid beta protein and which can be used to ameliorate amnesia and other neurotoxicity in Alzheimer's disease caused by deposition of this protein. The peptides themselves are not amnestic or memory-enhancing. The new peptides are described in AAR87912, AAR87913 and AAR87914. The present sequence is an additional peptide tested in the process but found not to be active
                                                                                                   The peptide AAR88300 corresponds to residues 16-22 of beta-A4 was designed as a potential memory enhancing peptide but was found not to be amnestic. (Amnestic peptides are memory-enhancing at lower concentrations than those at which they cause amnesia)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New peptide(s) which block binding of amyloid beta protein - used for antagonising the amnestic effects of amyloid beta protein, partic. in Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Test peptide used in study of antagonism of amyloid beta protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 2; I
100.0%; Pred. No. 1.8e+06;
Live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 29; DB 2; 1 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amnesia; amyloid beta; Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 9; 27pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAR87921 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      93US-00127904.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94WO-US010475.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (CITY ) CITY OF HOPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1995-147244/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 6: Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9508999-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-APR-1995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR87921;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAR87921
\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\circ}{\mathbf{x}}\,\overset{\overset{\circ}{\mathbf{x}}}\,\overset{\overset{\circ}{\mathbf{x}}\,\overset{\overset{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
```

RESULT 25 AAW02312

2 KLVFFA 7

RESULT 26

```
Advolval represent the peptine portions of the between amy stord modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of amyloid plaques are present both in the brain lesions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The mayloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupled directly or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declaim, a cholanyl group, a biotin containing group, or a fluorescein containing group. These compounds then modulate the aggregation of these sequences to natural amyloid proteins or peptides when contacted with the natural amyloid proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with amyloidosis, such as amyloid polymeuropathy, familial amyloid cardiac amyloidosis, speemic senile amyloidosis, scrapis, bovine spongiform encephalopathy (reutzfeldt-Jakob disease, adult-onset disolated cardiac amyloidosis, speemic senile amyloidosis, familial amyloid cardiac amyloidosis, speemic senile amyloidosis, and other types of amyloidosis. The modulators are also useful for the creatment of disorders associated with beta-amyloidosis, especially
                                                                                                                                                               Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiac amyloidosis; systemic senile amyloidosis; insulinoma; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cepebral haemorrhage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .. Benjamin H, Garnick MB, Gefter ML, Hundal A;
Musso G, Signer ER, Wakefield J, Reed MJ, Molineaux S;
Chin J, Lee J, Kelley M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW02310-W02332 represent the peptide portions of the beta-amyloid
                                                                                                                          Beta-amyloid modulator peptide #3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 16; Page 91; 106pp; English.
AAW02312 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96WO-US003492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95US-00475579
95US-00548998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (PHAR-) PHARM PEPTIDES INC.
                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1996-433762/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                              W09628471-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-MAR-1995;
                                                                                  02-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                        19-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kasman L,
Kubasek W,
                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                         AAW02312;
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes beta-amyloid peptide (bAp) derivatives. The bAP derivatives inhibit aggregation of amyloidogenic proteins and appliates, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and creuzfeldet-Jakob disease. The bAP derivatives are also used to diagnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives some bAP derivatives inhibit bAP aggregation element when the bAP is present in molar excess. The present sequence represents
                                                                                                                                        Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; creutzfeldt-Jakob disease; bay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New peptide(s) derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gefter ML, Kasman L, Musso G, Molineaux S, Benjamin H;
Chin J, Lee J, Kelley M, Reed M, Wakefield J;
Kubasek W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 29; DB 2; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                             Beta-amyloid peptide derivative A-beta-15-21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 12; Col 64; 52pp; English.
           AAW89376 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB67281 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                             95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                             96US-00612785.
                                                                                                                                                                                                                                                                                                                                                                              95US-00404831.
                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                             (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Findeis MA, Chin J, Lee
Garnick MB, Kubasek W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-094964/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a bAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7 AA;
                                                                           02-MAR-1999
                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                           14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                             07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                              14-MAR-1995;
                                                                                                                                                                                                                                                                            US5854204-A.
                                                                                                                                                                                                                                                                                                             29-DEC-1998
                                                                                                                                                                                                                                               Synthetic.
                                            AAW89376;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hundal A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB67281;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB67281
AAW8937
                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
```

. 0

Gaps

ö

Indels

; 0

0; Mismatches

6; Conservative

Query Match Best Local Similarity Matches 6; Conserv

100.0%; Score 29; DB 2; Length 7; 100.0%; Pred. No. 1.8e+06;

```
Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore
                                                                                                                                                  Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 4; I
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gupta A;
             Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB48492 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 7; Page 25; 46pp; English.
                                                                                                                                        Claim 7; Page 25; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antifibrillogenic peptide #19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-MAY-2000; 2000WO-CA000515.
                                                                                                        its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99US-0132592P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gervais F,
           Di.
                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC
             Gervais
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-031852/04.
                                           WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                   KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200068263-A2
                                                                                                                                                                                                                                                                                                     Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chalifour R,
             Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB48492;
                                                                                                                                                                                                                                                                                                                                                                                                                                   N
                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB48492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                  Novel chemical compound or composition useful for preventing beta-strand association, comprises peptides containing N-alpha substituted L-amino acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to a chemical compound or composition comprising a peptide with a beta strand forming section and associates with a target beta-strand formed by a separate peptide-containing molecule. The invention is useful for inhibiting or reversing the association of target beta-strand, formed by Alzhaimer's Abeta peptide into a beta-sheet or beta-fibre and the aggregation of proteins or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 4; I
ilarity 100.0%; Pred. No. 1.8e+06;
Conservative 0: Mismath.
                                               Residues 16-22 of Alzheimer's Abeta peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 17; Page 46; 77pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB48475 standard; peptide; 7 AA.
                                                                               Alzheimer's; Abeta; beta-strand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antifibrillogenic peptide #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99US-0132592P
                                                                                                                                                                                                              28-JUL-2000; 2000WO-GB002901
                                                                                                                                                                                                                                            99GB-00017724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-MAR-2001 · (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                         WPI; 2001-18277/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200068263-A2
                                                                                                                                             WO200107473-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-MAY-1999;
                                                                                                                                                                                                                                                                          STOT/) STOTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                            28-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . 9
                                                                                                                                                                              01-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB48475;
                                                                                                                                                                                                                                                                                                            Stott K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB48475
```

ò

ö

Gaps

;

protein

8888888

Best Loca Matches

ઠે

```
The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and coher amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AAB82622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid candles synthesised from the unnatural D-configuration and non-self of tragments. Vaccines of the invention are produced using 'non-self' captides synthesised from the unnatural D-configuration and non-self of avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid protein, eg. the beta-sheet region or at least 1 region of an amyloid-beta peptide, or thair immunogenic fragments protein conjugates, immunogenic derivative peptides and immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptides and beta applide and the all-D derivative peptides or in AAB83623-64. The vaccine ellicits a preferential TH-2 or TH-1 response, or preventing fibrillogenesis and associated cellular toxicity. The amyloid corresponding to related diseases, e.g. browine spongiform encephalitis, crelated diseases, e.g. bowine spongiform encephalitis, crelated diseases, e.g. button protein related diseases, e.g. browine spongiform encephalitis, chronic infection (e.g. tuberculosis) carchic infection (e.g. tuberculosis) carchici infection in long-term haemodialysis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                 Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 4; Length 7; 100.0%; Pred. No. 1.8e+06; ative 0; Mismatches 0; Indels
                                                                                                                                                  All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                                        ı../
/note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gervais F;
                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure, Page 10; 31pp; English.
         AAB82624 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-441458/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                           Misc-difference 1
                                                                                                                                                                                                                            therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                   WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 7 AA;
                                                                                                     02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-2001.
                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
                                                                                                                                                                        Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity 100.0%; Score 29; DB 4; Length 7; Similarity 100.0%; Pred. No. 1.8e+06; 6; Conservative 0; Mismatches 0: Tradele
                                                                                                                                                                                                                  Indels
                                                                                                                                                                   100.0%; Score 29; DB 4; I 100.0%; Pred. No. 1.8e+06; Live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB48491 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 7; Page 25; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antifibrillogenic peptide #18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-0132592P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gervais F,
                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-031852/04.
                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ||||||
KLVFFA 6
                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVFFA 6
                                                                                                                                                                                                                                                                 KLVFFA
                                                                                                                                                                                                                                                                                                                KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200068263-A2
                                                                                                                      Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-MAY-1999;
                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-NOV-2000
```

AAB48491;

RESULT 30 AAB4849. ö

Gaps

ö

Conservative

..

protein

KLVFFA 6

RESULT 31 AAB82624

g ઠ

유

KLVFFA

```
Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                  Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                   All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                     l. .7
'note= "all D-form residues"
                                                                                                                                                                                                                                               Gervais F;
                                                                                                                                          /note= "C-terminal amide"
                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                     Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                               Kong X,
     AAB82640 standard; peptide; 7 AA
                                                                                                                                                                                                        29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                         29-NOV-2000; 2000WO-CA001413
                                     (first entry)
                                                                                                                                                                                                                                                Hebert L,
                                                                                                                                                                                                                                 (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                               WPI; 2001-441458/47
                                                                             therapy; antigen.
                                                                                                             Key
Misc-difference
                                                                                                                                                          WO200139796-A2
                                                                                                                                    Modified-site
                                                                                                                                                                                                                                                Chalifour R,
                                     02-OCT-2001
                                                                                                                                                                           07-JUN-2001
                                                                                             Synthetic.
                      AAB82640;
AAB82640
```

The present sequence is that of an all-D peptide suitable for use in preparing vaccines for preventing or treating Alzheimer's disease and ther amyloid related disorders in humans. It is based on a portion of other amyloid related disorders in humans. It is based on a portion of cher amyloid related disorders in humans. It is based on a portion of inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid residues with other amino acid residues or non-amino acid camino acid fragments. Vaccines of the invention acid residues or non-amino acid cayoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid-beta peptide, or their immunogenic ac fragments, protein conjugates, immunogenic derivative peptides and immunogenic peptidonimetics. Examples include all-D peptides and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-13 and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16

Sequence 7 AA;

```
preparing vaccines for preventing or treating Alzheimer's disease and corporating vaccines for preventing or treating Alzheimer's disease and other amyloid related dispoters in humans. It is based on a portion of other amyloid-beta peptide (see AABB2622), and may be modified by removing or amyloid-beta peptide (see AABB2622), and may be modified by removing or inserting 1 or more amino acid residues with other amino acid residues or non-amino acid fragments. Vaccines of the invention are produced using 'non-self' captides synthesised from the unnatural D-configuration amino acids to avoid the drawbacks of 'self' proteins. The all-D peptides need not be avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with a gargeated to be operative or immunogenic. They preferably interact with a captides site region, the amyloid-beta peptide, or their immunogenic GAG-binding site region, the amyloid-beta peptide and the all-D peptides and corresponding to residues 1-2, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and corresponding to residues 1-2, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and corresponding to be localised amyloid-beta peptide and the all-D derivative peptides given the amyloid-beta peptide and sesociated cellular toxicity. The amyloid related diseases may be localised amyloidosis, e.g. diabetes type II, crlated diseases may be localised amyloidosis, e.g. diabetes type II, crlated diseases, scrapie, cerebral amyloid angiopathy, and cruchellular related diseases, scrapie, cerebral amyloidosis, expediated with
                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               present sequence is that of an all-D peptide suitable for use in
                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                        ;
0
Length 7;
                                        Indels
                                                                                                                                                                                                                                                                                                                                            All-D peptide used in Alzheimer's disease vaccine.
  Score 29; DB 4; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. .7
/note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kong X, Gervais F;
                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                            AAB82639 standard; peptide; 7 AA.
      100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                          02-OCT-2001 (first entry)
                                              6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-441458/47.
        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                therapy; antigen.
                                                                                      1 KLVFFA
                                                                                                                               KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                         AAB82639;
                                                                                                                                                                                          RESULT 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
                                                                                                                                                                                                                                                                      ò
                                                                                                                               셤
```

```
ABB05155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo
                                                                                                                                                                                                                                                                                                                                         RESULT 35
                                                                                                                                                                                                                                                                                                                                                     ABB05155
  ਨੇ
                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment coupled to a modifying group.
                                                                                                                                                                                                                                                                                                             Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; familial amyloid cardiomyopathy; familial amyloidosis; scrapie; myeloma; boaine spongiform encephalopathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; macroglobulinaemia-associated amyloidosis; reactive amyloidosis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary cerebral haemorrhage with amyloidosis; Muckle-Wells syndrome; hereditary non-neuropathic systemic amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or peptides. The modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid polymeuropathy (Danish type), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, adult onset diabetes, Gerstmann-Straussler-Scheinker syndrome, insulinome, isolated atrial amyloidosis, idiopathic (primary) amyloidosis, myeloma or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention describes an amyloid modulator comprising an amyloidogenic
chronic infection (e.g. tuberculosis) or chronic inflammation (e.g. rheumatoid arthritis), familial Mediterranean fever (FMF) and systemic amyloidosis found in long-term haemodialysis patients
                                                                                                   Gaps
                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a H, Garnick MB, Gefter ML, Hundal A;
Signer ER, Wakefield J, Reed MJ;
                                                                           Length 7;
                                                                                                0; Indels
                                                                        100.0%; Score 29; DB 4; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                        Long form beta-amyloid protein fragment #4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                             ABG71007 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                95US-00404831.
95US-00475579.
95US-00548998.
96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-OCT-2001; 2001US-00972475.
                                                                                                                                                                                                                                                                                                                                                                                                                                         familial Mediterranean Fever
                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , Benjamin H,
Musso G, Signe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (PRAE-) PRAECIS PHARM INC.
                                                                                  Local Similarity 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-697709/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2002098173-A1.
                                                                                                                        1 KLVFFA
                                                                                                                                               KLVFFA
                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
14-MAR-1996;
                                                                                                                                                                                                                                                              05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Кавшап L,
                                                                                                                                                                                                                                       ABG71007;
                                                                         Query Match
                                                                                     Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo
                                                                                                                                                                                      RESULT 34
 SXSSS
                                                                                                                                                셤
                                                                                                                                                                                                                          ઠે
```

```
macroglobulinaemia-associated amyloidosis, primary localised cutaneous nodular amyloidosis associated with Sjogren's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloidosis, familial and deaffness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, amyloidosis associated with long term haemodiallysis, hereditary non-reuropathic systemic amyloidosis (fibrinosen-associated with III), familial amyloidosis of Finnish type, amyloidosis associated with computed for the thyroid, fibrinosen-associated hereditary renal amyloidosis. The compound is capable of altering and inhibiting betamyloidosis. The compound is capable of altering and inhibiting betamyloid protein (beta-AP) aggregation of natural amyloidogenic proteins or peptides when contacted with a molar excess amount of natural beta-APs relative to the modulator. This sequence represents a fragment of the relative to the modulator. This sequence represents a fragment of the long form of beta-amyloid used in the creation of an amyloid modulator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggragation; amyloidogenic; Alsheimer's disease; noctropic; amyloid aggragation; amunosuppressive; antimicrobial; auditory; antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polyneuropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes an amyloid modulator compound (I) comprising an aggregation core domain and a modifying group attached to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , Benjamin H, Garnick MB, Gefter ML, Hund
Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beta amyloid peptide (15-21) SEQ ID NO:7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Col 19; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABB05155 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-00404831.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95US-00475579
95US-00548998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity 100.00
Best Local Similarity 100.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-146668/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US6319498-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kasman L,
```

```
antidiabetic, antipyretic, dermatological, cardiovasciular, nephrotropic and auditory activities, and can be used as a natural amyloid aggregation inhibitor and an neurotoxicity inhibitor of natural beta amyloid aggregation conhibitor and a neurotoxicity inhibitor of natural beta amyloid aggregation inhibitor and a neurotoxicity inhibitor of a medicament for the diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's clience of diagnosis and other clinical occurrences of beta amyloid deposition such as manyloidosis, and for treating a disorder associated with hammorrhage with amyloidosis, and for treating a disorder associated with amyloidosis such as familial amyloid polyneuropathy. (1) reduces the tornic of neurotoxic aggregates to cultured neuronal cells. (1) not only reduce the formation of neurotoxic aggregates but also have the present sequence represents a beta-AP peptider of A-beta fibrils. The present sequence represents a beta-AP peptide, which is used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible winns dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; all Albahmer; disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis; ecrebral amyloid anglopathy.
                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 agent; Creutzfeldt-Jakob disease; Kuru; CJD;
                                                                                                                                                                                                                                                                                                                                                    Length 7;
                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 29; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06; 1.ve 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. .7
/note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Migneault D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 49; Page 22; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU96827 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid targeting peptide #17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-JUL-2001; 2001WO-CA001071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                            6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200207781-A2
                                                                                                                                                                                                                                                                                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU96827;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       合
              \%
                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

The invention relates to an amyloid-targeting imaging agent comprising an

```
cc amyloid targeting moiety, a linker moiety and a labelling moiety. The agent is of general formula A.t.(A.l.n.k) z.A.l.a.b (I) where z = 0 - 1; cc a labelling moiety. Also included are I maging amyloid deposition or diagnosing an amyloid targeting moiety, Also included are I maging amyloid deposition or diagnosing an amyloid-related condition in a patient involving condition and mayloid-related condition in a patient involving in the patient, and ultrasound imaging (I) to the patient, and ultrasound imaging (I) in the patient, a buffering agent, a ranschelating agent, and a kit for preparing a radiopharmaceutical preparation comprising (I), a reducing agent, a buffering agent, a transchelating agent, and instructions for the preparation and use of the radiopharmaceutical in instructions for the preparation and use of the radiopharmaceutical in the imaging of amyloid deposition and for diagnosing an amyloid related condition. The agents are condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible conditions in the imaging of amyloid seposition and for diagnosing an amyloid related condition conditions in filammation—associated amyloid, type II diabetes, primary amyloidosis, feline spongiform encephalopathy, non-transmissible creebral amyloidosis, light chain-related amyloidosis, persent sequence is a peptide forming the amyloid targeting moiety of the apart of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; Alzheimer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 29, DB 5; Length 7; Pred. No. 1.8e+06; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1. 7
/note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Migneault D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU96812 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid targeting peptide #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-JUL-2001; 2001WO-CA001071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cerebral amyloid angiopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gervais F, Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ||||||
KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-JAN-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU96812;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU96812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     $$$$$$$$$$$$$$$$$$$$$$$$$$$$$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
```

ä

Chalifour R, Migneault

Kong X,

```
New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                 25-JUL-2001; 2001WO-CA001071.
                                                 25-JUL-2000; 2000US-0220808P. 24-JUL-2001; 2001US-00915092.
                                                                                                  (NEUR-) NEUROCHEM INC.
                                                                                                                                                                 WPI; 2002-371447/40.
                                                                                                                                   Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB04920;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB04920
   용
                                                                                                          The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The cagent is of general formula At-(Allnk) z-Allab(11 where z = 0 - 1; At = an amyloid targeting moiety. All n k = a linker moiety; and Allab college are labelling moiety. Also included are imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving administering (I) to the patient, and ultrasound imaging (I) in the patient to determine the presence of amyloid or amyloid-related condition comprising (I), and a kit for preparing a radiopharmaceutical preparation comprising (I), and a kit for preparation and use of the radiopharmaceutical in the imaging of amyloid deposition and use of the radiopharmaceutical in the imaging of amyloid deposition and for diagnosing an amyloid condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible condition e.g. Creutzfeldt-Jakob disease (CDD), kuru, transmissible condition e.g. creebral amyloidoses (transmissible virus dementias), familial CDD, creebral amyloidosis, feline spongiform encephalopathy, non-transmissible creebral amyloidosis, feline spongiform encephalopathy, non-transmissible conditions and are capable of thiding specifically to amyloid spaques. The parsier and are capable of binding specifically to amyloid plaques. The present sequence is a peptide forming the amyloid targeting molety of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                 New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible winn dementia; scrapie; transmissible mink encephalopathy; BEE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; allaheimer, disease; prion-mediated disease; blood-brain barrier, dialysis-related amyloidosis; light chain-related amyloidosis; erebral amyloid angiopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels

    .7
    /note= "Preferably D-form residue"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Gln is amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU96828 standard; peptide; 7 AA.
                                                                                  Claim 49; Page 21; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid targeting peptide #18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            agent of the invention
WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |||||||
KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU96828;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
```

```
The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The cagent is of general formula A.t. (A.l.n.k) z-A.l.a.b. [1] where z = 0 - 1; A.t. = an amyloid targeting moiety. Also included are linker moiety; and A.l.a.b. c. al labelling moiety. Also included are linging amyloid deposition or diagnosing an amyloid-related condition in a patient involving commistering (I) to the patient, and ultrasound imaging (I) in the patient to determine the presence of amyloid or amyloid-related condition; and a kit for preparing a radiopharmaceutical preparation comprising (I), and a kit for preparation and use of the radiopharmaceutical in the imaging of amyloid or amyloid-related condition. The agent are instructions for the preparation and use of the radiopharmaceutical in the imaging of amyloid deposition and for diagnosing an amyloid related condition e.g. Creutzfldt-Jakob disease (CDD), kuru, transmissible condition e.g. Creutzfldt-Jakob disease (CDD), kuru, transmissible creebral amyloidoses (transmissible virus dementias), familial CD, scrapie, transmissible mink encephalopathy, bovine spongiform encephalopathy, non-transmissible creebral amyloidosis, feline spongiform encephalopathy, non-transmissible creabral amyloidosis, light chain-related amyloidosis, cerebral camyloidosis, light chain-related amyloidosis, cerebral camyloidosis, light chain-related amyloidosis, cerebral cample of binding specifically to amyloid plaques. The barrier and are capable of binding specifically to amyloid plaques. The barrier and are capable of binding specifically to amyloid plaques. The barrier and are capable of binding specifically to amyloid plaques. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; amyloid beta protein; beta-A4; memory enhancement; learning.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human amyloid beta protein (beta-A4) peptide 16-22 SEQ ID NO:13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 29; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB04920 standard; peptide; 7 AA.
Claim 49; Page 22; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99US-00264709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ||||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US6320024-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-NOV-2001.
```

Disclosure; Page 10; 68pp; English.

```
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                 The present invention describes a novel peptide compound comprising Lys-
His-Tyr-beta-alaine, which has a memory modulating effect. The peptide
this-Tyr-beta-alaine, which has a memory modulating effect. The peptide
that notropic activity. The peptide can be used for the development of
topographic models useful to design and synthesise memory-enhancing and
tife-quality improving substances. The peptide compound restores the
life-quality improving substances. The peptide compound restores the
balance between excitatory and inhibitory systems in the brain, which is
cequired for optimal acquisition and retention of learning and helps to
correct defects in the balance that arise as a result of aging,
correct and injury. The substances exert recybernaticising effects on
infections and injury. The substances exert recybernaticising effects on
correct beptide structures. The substances mimic the action of
active peptides without having a peptide structure and do not subject to
degradation of peptide-splitting enzymes in the gut or other tissues. The
present sequence represents a human amyloid beta protein (beta-A4)

present sequence represents a human amyloid beta protein (beta-A4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide #18, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                      New peptide compound useful for design of substances that enhance memory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 5; Length 7; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU11665 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                              Disclosure; Col 6; 30pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99US-0171877P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-DEC-2000; 2000WO-IB002078
            97US-00797782.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity luv..
6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-075222/10.
                                                                                                                                                                                          WPI; 2002-096566/13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ||||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23-DEC-1999;
               07-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                       Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU11665;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X A X A X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X 
                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   d
```

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzhimier's disease, hereditary cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11669, AAU11910 & AAU111911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40
The present invention relates to a new method of inhibiting cerebral amyloid anglopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11649-AAU11669, AAU11911) that were used in the invention as a carrier for the amyloid beta40 (Abeta40) inhibitor. The Abeta40 inhibitor cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide #2, used as a carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                    Score 29; DB 5; Length 7;
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU11649 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                        100.0%;
Similarity 100.0%;
6; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99US-0171877P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Green AM, Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                   ||||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                           KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200185093-A2.
                                                                                                                                                                                                                                                                    Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU11649;
                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU11649
```

ABB82630 standard; peptide; 7 AA.

ABB82630

(first entry)

04-FEB-2003

ABB82630;

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid haemorrhage for treating disease states characterised by cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU1669, AAU1911) that were used in the invention as a was used in the invention to treat a disease state characterised by cerebral myloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                      Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                          Peptide #19, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                   Gaps
                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity 100.0%; Score 29; DB 5; Length 7; Similarity 100.0%; Pred. No. 1.8e+06; 6; Conservative 0; Mismatches 0; Indels
                                   Length 7;
                              100.0%; Score 29; DB 5; I
Similarity 100.0%; Pred. No. 1.8e+06;
6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note≈ "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                            AAU11666 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99US-0171877P.
                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-075222/10.
                                                                                                                 ||||||
KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                               1 KLVFFA 6
Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-DEC-1999;
                                                                                                                                                                                                                                                                          09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Green AM,
                            Query Match
Best Local S:
Matches 6
                                                                                                                                                                                                                                            AAU11666;
                                                                                                                                                                              RESULT 42
                                                                                               ઠ
                                                                                                                            q
```

```
Abeta; beta-amyloid; fibrillogenesis; fibril; nootropic; neuroprotective; cerebroprotective; haemostatic; antipyretic; nephrotropic; vasotropic; dermatological; auditory; antidiabetic; cytostatic; antiinflammatory; antimitorobial; anticonvulsant; antidiabetic.
                                                                                                                                                                                                                                                                                                                                                                                   Novel peptide for inhibiting fibrillogenesis, and for screening fibrillogenesis inhibitors, has beta-strand with one face having hydrogen bonds and other face blocking propagation of hydrogen bonding between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a subject which is a mammal, preferably human, having protein aggregation disease or protein misfolding disease. The composition is useful in both preventive and curative therapies of fibril based pathologies mentioned above. The present sequence represents a peptide which can comprise consecutive N-methylation, but is a weak inhibitor of Abeta

    .6
/note= "can be methylated; both the methylated and non-
methylated versions of this peptide are poor

                                                  Abeta fibrillogenesis inhibitor peptide Abeta16-22.
                                                                                                                                                                                 methylated versions of thi
fibrillogenesis inhibitor"
                                                                                                                                                                                                                /note= "C-terminal CONH2"
                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 7; 151pp; English.
                                                                                                                                                                                                                                                                            20-MAR-2002; 2002WO-US008803.
                                                                                                                                                                                                                                                                                                 20-MAR-2001; 2001US-0277477P.
                                                                                                                                                                                                                                                                                                                                            Meredith SC;
                                                                                                                                                                                                                                                                                                                      (UYCH-) UNIV CHICAGO,
                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-040553/03.
                                                                                                                                                                                                                                   WO200274931-A2
                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                   Modified-site
                                                                                                                             sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                   beta-strands
                                                                                                                                                                                                                                                         26-SEP-2002.
                                                                                                                                                                                                                                                                                                                                            Gordon DJ,
                                                                                                                             Ношо
```

ô

Gaps

ö

KLVFFA KLVFFA

ઠે

Matches

```
present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                  Matches
                                                                                                                                                                                                                                        ន្តដូន
                                                                                                                                               셤
                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic inflammatory diseases e.g. rheumatoid arthritis, portable, syndrome and Crohn's Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's clicers, chronic pyplonephitis, postables, bronchiectasis, decubitus infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma and hairy cell leukaemia. The
                                                                                       ö
                                                                                                                                                                                                                                                                                                    All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Becher's syndrome; Crohn's disease; infection; leprosay; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelltis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prevention and/or treatment of an amyloid-related disease e.g.
Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                       ö
                                                             Length 7;
                                                                                       0; Indels
                                                                Score 29; DB 6; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kong X;
                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ner
Misc-difference 1. .7
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                        AAE35439 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 59; 44pp; English
                                                                100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                           (first entry)
                                                                Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                   Abeta peptide #10.
                                                                                                                    1 KLVFFA 6
                                                                                                                                            KLVFFA 6
                 fibrillogenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200296937-A2
                                        Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                Unidentified
                                                                                                                                                                                                                                                            17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gervais F,
                                                                                                                                                                                                                                  AAE35439;
                                                                                                                                                                                  RESULT 44
                                                                                                                                                                                              AAE35439
                                                                                                                                                                                                                                    g
                                                                                                                      ò
                  SXS
```

```
The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and cavours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy.

Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus) ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease).
                                                                                                                                                                ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; cerebral amyloid angiopathy; amyloid disease; bechet's syndrome; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis;
                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prevention and/or treatment of an amyloid-related disease e.g.
Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                0;
                                                                                                    Length 7;
                                                                                                                                                                Indels
                                                                                                                                  1.8e+06;
hes 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kong X;
                                                                                                          DB
                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1. .7
/note= "D-form residues"
                                                                                                          Score 29;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE35454 standard; peptide; 7 AA.
                                                                                                          100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17-JUN-2003 (first entry)
                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-201269/19.
                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Abeta peptide #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Misc-difference
                                                                                                                                                                                                                                                                                           KLVFFA
                                                                                                                                                                                                                                            1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200296937-A2
                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-DEC-2002
                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gervais F,
invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE35454;
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D-amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including inflammatory diseases e.g. rheumatoid arthritis, juvenile chronic attrictis, ankylosing spondylitis, psoriaais, psoriatic arthropathy. Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus
Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; ostcomyelltis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis;
                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides
                                                                                                                                                                                          ö
                                                                                                                                                     Length 7;
                                                                                                                                                                                      0; Indels
                                                                                                                                                   100.0%; Score 29; DB 6; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers 1. .7
                                                                                                                                                                                                                                                                                                                                                          AAE35453 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chalifour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-201269/19.
                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                 Abeta peptide #24.
                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Misc-difference 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200296937-A2
                                                                                                              Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                  17-JUN-2003
                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gervais F,
                                                                             invention
                                                                                                                                                                                                                                                                                                                                                                                               AAE35453;
                                                                                                                                                                     Best Loc
Matches
 88888888
                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                            g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes an antibody molecule (I) capable of first region comprises the amino acid sequence Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr ADA89886 or its fragment, and the second region comprises the amino acid sequence Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Aap-Val-Gly ADA89887 or its fragment. Also described: (I) a nucleic acid molecule encoding (I); (2) a vector comprising the nucleic acid of (1); (3) a host cell comprising the vector of (2); (4) preparing (I), comprising the vector of (2); (4) preparing (I), comprising colluting the host cell of (3) under conditions that allow synthesis of (I) and recovering (I) from the culture; (5) a composition comprising (I), or an antibody molecule produced by method (4); (6) a kit comprising (I),
ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal call carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nootropic; antiparkinsonian; gene therapy; amyloidogenesis; amyloid-plaque formation; beta-amyloid plaque; immunisation; dementia; Albahmer's disease; motor neuropathy; Down's syndrome; Creutzfeldt Jacob disease; hereditary cerebral haemorrhage; amyloidosis; Parkinson's disease; hardated dementia; amyotrophic lateral sclerosis; neuronal disorder; aging.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           regions of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antibody molecule; antibody; beta-A4 peptide; Abeta4; neuroprotective;
                                                                                                                                                                                                       Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antibody molecule capable of specifically recognizing two regions the beta-A4 peptide, useful for diagnosing, preventing or treating diseases associated with amyloidogenesis or amyloid-plaque formation
                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kretzschmar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Huber W,
Rothe C;
                                                                                                                                                              100.0%; Score 29; DB 6; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Solid-phase synthesis heptapeptide #14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Brockhaus M,
Nordstedt C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 12; Page 82; 312pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HOFF ) HOFFMANN LA ROCHE & CO AG (MORP-) MORPHOSYS AG.
                                                                                                                                                                                                                                                                                                                                                                     ADA90937 standard; peptide; 7 AA.
                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-FEB-2002; 2002EP-00003844.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-FEB-2003; 2003WO-EP001759.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bohrmann B,
Loetscher H,
                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MORPHOSYS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-663848/62.
                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (e.g. dementia).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003070760-A2
                                                                                                                              Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bardroff M, F
Loehning C, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                              20-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-AUG-2003.
                                                                                             invention
                                                                                                                                                                                                                                                                                                                                                                                                          ADA90937;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                    ADA90937
                                                                                                                                                                                                                                                                                                                                 RESULT
 8888888888
                                                                                                                                                                                                                                                                          요
                                                                                                                                                                                                                                                                                                                                                                                       ò
```

```
cc nucleic acid of (1), vector of (2) or host cell of (3); (7) optimising caping the resulting Pab optimised clones; (10) expressing against Abeta4; (9) identifying optimised clones; (10) expressing composition, comprising otherwised clones; (11) preparing a pharmaceutical composition of (1), and formulating the composition, comprising optimised on (11) and formulating the optimised antibody/antibody molecule with a carrier; and (12) a composition prepared by method (8). (I) has controprotective, nootropic and antibody method (8). (I) has controprotective, nootropic and antibody molecule (1), nucleic acid molecule, controprotective, nootropic and antibody molecule (1), nucleic acid molecule, controprotective, nootropic and antibody molecule (1), nucleic and molecule (1), nucleic acid molecule, controprotection and/or treatment of a disease associated with anyloid operation and/or treatment of a disease associated with anyloid plaque formation. The antibody molecule (1) anyloid plaque formation of passive immunisation of the disease mentioned above. The antibody is used for the disease mentioned above. The antibody is used for the deminia, Alzhainer's disease, motor neuropathy, Down's syndrome, contracted the Jacob disease, motor neuropathy, Down's syndrome, controprised by a social passive the dementia, anyloid plaque formation. In particular, the disease is creutzfeldt Jacob disease, hereditary cerebral haemorrange with amyloid subteral sclerosis or neuronal disorders related to aging. The present sequence is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antibody molecule capable of specifically recognizing two regions of
the beta-A4 peptide, useful for diagnosing, preventing or treating
diseases associated with amyloidogenesis or amyloid-plaque formation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antibody molecule; antibody; beta-A4 peptide; Abeta4; neuroprotective; nootropic; antiparkinsonian; gene therapy; amyloidogenesis; amyloid-plaque formation; beta-amyloid plaque; immunisation; dementia; Alzheimer; 6 disease; motor neuropathy; Down's syndrome; Creutzfeldt Jacob disease; hereditary cerebral haemorrhage; amyloidosis; parkinson's disease; HIV-related dementia; amyotrophic lateral sclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kretzschmar T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Anti-Abeta antibody related amino acid sequence SEQ ID NO:269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 6; Length 7; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Huber W,
Rothe C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Brockhaus M,
Nordstedt C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HOFF ) HOFFMANN LA ROCHE & CO AG F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA90154 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2003; 2003WO-EP001759.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-FEB-2002; 2002EP-00003844.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bardroff M, Bohrmann B,
Loehning C, Loetscher H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-NOV-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              neuronal disorder; aging
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MORP-) MORPHOSYS AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-663848/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ||||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2003070760-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA90154;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA90154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8$88888888888888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
```

```
The present invention describes an antibody molecule (1) capable of specifically recognising two regions of the beta-A4 peptide/Abeta4. The specifically recognising two regions of the beta-A4 peptide/Abeta4. The first region comprises the amino acid sequence Ala-Giu-Phe-Arg-His-Asp-CC amino acid sequence Val-His-His-Gia-Live-Val-Phe-Phe-Ala-Giu-Asp-Val-CC amino acid sequence Val-His-His-Gia-Live-Val-Phe-Phe-Ala-Giu-Asp-Val-CC (1) ADA89887 or its fragment. Also described: (1) a mucleic acid molecule coding (1); (2) a vector comprising the nucleic acid of (1); (3) a host cell comprising the vector of V2); (4) preparing (1), comprising (1) and recovering (1) from the culture; (5) a composition comprising (1), or an antibody molecule produced by method (4); (6) a kit comprising (1), or an antibody molecule produced by method (4); (6) a kit comprising (1), or an antibody molecule produced by method (4); (6) a kit comprising (1), or an antibody molecule produced by method (4); (6) a kit comprising (1), or an antibody molecule preparation (1), and formulating the resulting fab optimisation of (1), and formulating the composition, comprising optimisation of (1), and formulating the optimised antibody/antibody molecule with a carrier; and (12) a composition, composition prepared by method (8). (1) has corrective, nootropic and antiparkinsonian activities, and can be considered in preparing a pharmaceutical composition for the prevention and/or treatment of a disease associated with composition of the prevention and/or treatment of a disease associated with antibody molecule formation. The antibody molecule composition for the disease mentioned above. The antibody is used for the disintegration of beta-amyloid plaque formation. The parting a disapposition of the disease mentioned above. The antibody is used for the capanism of disease, harding or menopathy, Down's syndrome, contexted the disease mentioned above. The antibody is used for the capanism of disease, harding or neuronal disorders related to amyotrophic lateral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'note= "N-terminally modified with CH3CO-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    self-assembly; peptide-based structure; beta-amyloid;
self-assembling structure; molecular-level probing; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 6; Length 7; 100.0%; Pred. No. 1.88+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human beta-amyloid 16-22 amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                   Disclosure; Page 260; 312pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD20746 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /label= amidated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JAN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2003082900-A2.
(e.g. dementia).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD20746;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD20746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
```

```
Search completed: March
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Job time : 64.9452 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
    g
                                                                                                                                                                                                                                                                             The present invention describes a method (M1) for controlling self-
assembly of self-assembling peptide-based structures by providing a
controlled environment and placing segments of beta-amyloids in the
controlled environment to generate a self-assembling structure. Also
described: (1) a method (M1a) for controlling self-assembly of peptide-
based structures comprising providing a controlled environment adapted to
redirect a self-assembly process, and generating a self-assembling
peptide-based structure
controlled environment; and (2) a self-assembling peptide in the
controlled environment; and (2) a self-assembling peptide in the
controlled environment; and (2) a self-assembling peptide amino
comprising beta-amyloid segments, optionally with a conservative amino
beta-amyloid. The method is useful in controlling the self-assembling peptide
self-assembling peptide-based structures. The self-assembling peptide
structures may be used in generating devices at a molecular level to
permit molecular-level probing. The present sequence represents a human
c beta-amyloid 16-22 amino acid sequence, which is used in the
exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                           Controlling self-assembly of peptide-based structures (e.g. nanotubes) comprises providing a controlled environment and placing segments of beta -amyloids in the controlled environment to generate a self-assembling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  human; calcitonin; multiple myeloma; medullary carcinoma; aortic medical carcinoma; antidiabetic; nootropic; neuroprotective; antiparkinsonian; fibril; type-II diabetes mellitus; amyloidosis; self-aggregating peptide; amyloid-associated disease; Alzheimer's disease; SAA amyloidosis; hereditary Icelandic syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 7; Length 7; 100.0%; Pred. No. 1;8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human calcitonin derived peptide fragment 2.
                                                                                                                      Dong J;
                                                                                                                                                                                                                                                      Disclosure; Page 10; 46pp; English.
                                                                                                                      Morgan DA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADF50855 standard; peptide; 7 AA
                          22-MAR-2002; 2002US-0366826P.
23-OCT-2002; 2002US-0420746P.
21-MAR-2003; 2003US-0456641P.
24-MAR-2003; 2003WO-US009229.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JAN-2003; 2003WO-IL000079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-JAN-2002; 2002US-0352578P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                  Conticello V,
                                                                                                                                                WPI; 2003-804023/75
                                                                                    (UYEM-) UNIV EMORY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003063760-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF50855;
                                                                                                                   Lynn D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 50
ઠે
```

ô

9, 2005, 06:27:28

1 KLVFFA

```
This invention relates to novel self-aggregating peptides that can be used for the diagnosis and treatment of amyloid-associated diseases.

Considerally, it refers to peptides, and antibodies directed diseases.

Consideration it refers to peptides, and antibodies directed disaggregate formed aggregates by competitive destabilisation.

Consideration of islet amyloid polypeptides (lappe) and for the inhibit the production of islet amyloid polypeptides (lappe) and for the inhibition of amyloidosis. As such they are useful for treating a variety of unrelated pathological conditions including type-II diabetes mellitus, and intiple myeloma, medullary carcinoma, nortic medical carcinoma, multiple myeloma, medullary carcinoma, aortic medical carcinoma.

Considerationally, they can be described as exhibiting activities such as antidiabetic, nootropic, neuroprotective and antiparkinsonian. This peptide sequence is a human medin peptide fragment (also known as milk at globule-EGF factor 8 protein, which is the main constituent of aortic medial amyloid deposits). This peptide sequence is a human calcitonin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                  New self-aggregating peptide useful for treating amyloid-associated diseases e.g., Alzheimer's disease, Parkinson's disease, hereditary icelandic syndrome, multiple myeloma, medullary carcinoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     of amyloid proteins in an exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 29; DB 7; I
100.0%; Pred. No. 1.8e+06;
tive 0; Mismatches 0;
                                                                                                                                                         (UYRA-) UNIV RAMOT AT TEL AVIV LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 21; Fig 1; 138pp; English.
01-JUL-2002; 2002US-0392266P.
06-SEP-2002; 2002US-00235852.
27-DEC-2002; 2002US-0436453P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                        WPI; 2003-689501/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                         Gazit E;
```

THIS PAGE BLANK (USPTO)

223, 222, 223, 224,	Sequence 23, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 25, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 55, Appl Sequence 57, Appl Sequence 57, Appl Sequence 57, Appl Sequence 57, Appl Sequence 57, Appl	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	imy loid
	4 US-09-724-551-23 2 US-08-645-14 4 US-08-66-645-14 4 US-08-76-596A-14 4 US-09-988-842-25 5 PCT-US96-10220-14 2 US-08-612-785B-14 2 US-08-612-785B-14 2 US-08-612-785B-14 3 US-08-612-785B-14 4 US-08-76-596A-57 4 US-08-76-596A-57 4 US-08-76-596A-57 4 US-08-76-596A-57 4 US-08-76-596A-57		cation US/08612785B 10M 110M 110M
289 1000.00 11 1000.00	38 29 100.0 10 10 10 10 10 10 10 10 10 10 10 10 10	53 29 100.0 15 55 29 100.0 15 55 29 100.0 15 57 29 100.0 17 58 29 100.0 17 59 100.0 17 59 100.0 19 62 29 100.0 19 63 29 100.0 19 64 29 100.0 19 65 29 100.0 19 65 29 100.0 19 65 29 100.0 19 65 29 100.0 19 65 29 100.0 19	RESULT 1. US-08-612-786F-9 Sequence 6, Application US/08612785B Sequence 7, Application US/08612785B Sequence 6, Application US/08612785B Sequence 6, Application US/08612785B SERENT: Fladels, Mark A. et al. TITLE OF-INVENTION: Ab Peptides that TITLE OF-INVENTION: Aggregation NUMBER OF SEQUENCES: 40 CONRESPONDENCE ADDRESS: ADDRESSE: LAHIVE & COCKPIELD STREET: 28 State Street, Suite 51: CITY: Boston STATE: Massachusetts CUTY: Boston STATE: Massachusetts COUNTRY: USA ZIP: 02109-1875 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC Compatible COMPUTER: IBM PC Compatible COMPUTER: PatentIn Release #1.0, APPLICATION NUMBER: US/08/612,785; CURRENT APPLICATION DATA: PRIOR APPLICATION NUMBER: USSN 08/404,8; FILING DATE: Herewith SILING DATE: HARAR-1995 PRIOR APPLICATION NUMBER: USSN 08/405,5;
	:		# 5
Ltd. 16.0274 Seconds ignments) ion cell updates/sec	513545	oep:* oep:* oep:* sep:* sep:* sl.pep:* sl.pep:* by chance to have a che result being printed, distribution.	Sequence 9, Appli Sequence 32, Appli Sequence 31, Appli Sequence 11, Appli Sequence 11, Appli Sequence 12, Appli Sequence 7, Appli Sequence 7, Appli Sequence 7, Appli Sequence 13, Appli Sequence 18, Appli Sequence 19, Appli Sequence 19, Appli Sequence 11, Appli Sequence 28, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 20, Appli Sequence 20, Appli Sequence 20, Appli Sequence 20, Appli Sequence 20, Appli Sequence 21, Appli Sequence 21, Appli Sequence 22, Appli Sequence 22, Appli Sequence 21, Appli Sequence 21, Appli Sequence 22, Appli Sequence 21, Appli Sequence 21, Appli Sequence 21, Appli Sequence 21, Appli
GenCore version 5.1.6 tt (c) 1993 - 2005 Compugen Ltd. ch, using sw model 2005, 06:11:36 ; Search time 16.0274 (without alignments) 27.946 Million cell	Gapext 0.5 74649064 residues ing chosen parameters:	00% 65 summaries 65 summaries 64 summaries 65 data/1/iaa/58_COMB.idata/1/iaa/68_COMB.idata/1/iaa/68_COMB.idata/1/iaa/backfiles 67 results predicted 68 of the total score 88 of the total score	DB ID 2 US-08-612-78-8-9 3 US-08-612-78-8-9 4 US-08-703-675C-32 3 US-08-617-267C-32 4 US-09-747-408-11 1 US-08-117-204-14 2 US-08-612-78-8-7 3 US-08-612-78-8-7 3 US-08-612-78-8-7 4 US-09-747-408-19 5 PCT-US94-10475-14 5 US-08-612-78-8-5 5 US-08-612-78-8-5 6 US-08-612-78-8-5 7 US-08-612-78-8-5 8 US-08-612-78-8-5 9 US-08-612-78-8-5 1 US-08-747-408-19 5 PCT-US94-10475-14 5 US-08-747-408-19 7 US-08-747-408-19 8 US-08-747-408-19 9 US-08-747-408-19 1 US-08-747-408-19 1 US-08-747-408-19 1 US-08-747-408-19 1 US-08-747-408-20 2 US-08-747-408-20 3 US-08-747-408-20 4 US-08-747-408-20 5 US-08-747-408-20 6 US-08-747-408-20 7 US-08-748-96-10220-11 7 US-08-778-4961-20 7 US-08-778-961-21
Copyright - protein search, March 9, 20	uS-10-009-12 e: 1 KLVFFA 6 table: BLOSUM62 Gapop 10.0 , 1: 513545 seqs, lmber of hits satisfy DB seq length: 0 DB seq length: 20000	ocessing: Mini Maxi Maxi Maxi List List 2: , 2: , 2: , 3: / 2: , 4: / 5: , 6: , / 6: ,	Score Match Length 29 100.0 20 100.0
OM protein Run on:	Title: Perfect Sequence Scoring Searched Total num Minimum Maximum	Post-pr Databas P	Regult No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

```
ö
                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 6;
                                                                                                         Score 29; DB 3; Length 6; Pred. No. 4.1e+05;
                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                Sequence 9, Application US/08617267C

Patent No. 6319498
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Modulators of Amyloid Aggregation
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Massachusetts
COUNTRY: USA
ZIP: O2109-1875
ZIP: O2109-1875
ZIP: O2109-1875
ZIP: O2109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPOTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
RRIOR APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USSN 08/45,579
FILING DATE: 07-JUN-1995
RATORNEY AGENT INFORMATION:
NAME: Deconti, Giulio A:
REGISTRATION NUMBER: PPI-002CP2
TELECOMMUNICATION NUMBER: PPI-002CP2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 29; DB 3; I
100.0%; Pred. No. 4.1e+05;
cive 0; Mismatches 0;
                                                                                                                                                            0; Mismatches
                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                      Query Match
Best Local Similarity 100.
Matches 6; Conservative
          ; TYPE: amino acid
; TOPOLOGY: linear
; WOLECULE TYPE: peptide
US-08-703-675C-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                    1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-617-267C-9
                                                                                                                                                                                                                                                                                                                            US-08-617-267C-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 4
US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                            g
                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                         Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 2

ORS-08-703-675C-32

Sequence 32, Application US/08703675C

Sequence 32, Application US/08703675C

Sequence 32, Application US/08703675C

Sequence 32, Application US/08703675C

Sequence 32, Application

TITLE OF INVENTION:

MODILICANT: Findeis, Mark A. et al.

TITLE OF INVENTION:

MODIRESEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COMPUTR: USA

ZIP: 02109-1875

COMPUTR: IBM PC Compatible

COMPUTR: SASTEM: PC-DOS/MS-DOS

SOFTING SYSTEM: PC-DOS/MS-DOS

SOFTING SYSTEM: PC-DOS/MS-DOS

SOFTING DATE: 27-MGG-1996

CLASSIFICATION NUMBER: USSN 08/404,831

FILING DATE: 17-MR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/415,579

FILING DATE: 17-MR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/48,998

FILING DATE: 17-CCT-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/56,098

FILING DATE: USSN 08/56,098

FILING DATE: 17-CCT-1995

PRIOR APPLICATION NUMBER: USSN 08/616,081
                                                                                                                                                                                                                                                                                                                                                                                                               4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                    .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Kara, Catherine J
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide US-08-612-7858-9
                                                                                                                                                                                                                                                                                        TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVFFA 6
```

g ò

```
100.0%; Score 29; DB 1; Length 7; 100.0%; Pred. No. 4.1e+05; Attive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 7, Application US/08612785B
Patent No. 5854204
CENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIREET: 28 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA5
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: H-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
FILING DATE: 07-JUN-1995
                                                                COUNTRY: California
COUNTRY: United States of America
ZIT: 91010-0269
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4" diskette
COMPUTER: Wang PC
COMPUTER: Wang PC
COMPUTER: Wang PC
COMPUTER: Microsoft
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/127,904
FILNG DATE: 29 September 1993
CLASSIFICATION 242
PRIOR APPLICATION 342
PRIOR APPLICATION 1424
PRIOR APPLICATION 1424
PRIOR APPLICATION 1644
PRIOR APPLICATION 1654
REGISTRATION NUMBER: 16,541
REFERENCE/DOCKET NUMBER: 16,541
REFERENCE/DOCKET NUMBER: 16,541
RELECOMMUTCATION INFORMATION:
TELEPHONE: (202) 783-6040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
         E: City of Hope
1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (202) 783-604
TELEFAX: (202) 783-6031
TELEX: No. 5470951e
INPORMATION FOR SEQ ID NO: I
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity luv.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: Unknown
US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                              STREET: 1500
CITY: Duarte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS
       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 7
US-08-612-785B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INCORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR PILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOOTWARE: FASTSEQ for Windows Version 4.0
                                                                  APPLICANT: Green, Allan M.
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Compounds Anyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION: NUMBER: US/09/747, 408
CURRENT APPLICATION NUMBER: 60/171, 877
PRIOR APPLICATION NUMBER: 60/171, 877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 4; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Amnestic Effects of Amyloid n
TITLE OF INVENTION: Protein and Improving the
TITLE OF INVENTION: Quality of Life in Individuals
TITLE OF INVENTION: With Alzheimer Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 29; DB 4; L
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11, Application US/09747408
Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-127-904-14; Sequence 14, Application US/08127904; Patent No. 5470951; GENERAL INFORMATION:
Sequence 3, Application US/09747408
Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity luv...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |||||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 5
US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESUL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .;
0
                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-UW-bl/-zb/C-/
Sequence 7, Application US/08617267C
Sequence 7, Application US/08617267C
Setent No. 6119498
GENERAL INFORMATION:
APPLICANT: Findels, Mark A. et al.
TILE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STREET: Massachusetts
COUNTRY: USA
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENTING STSTEMS: EC-LUCS, MS-LUCS
SCOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
FILING DATE: 14-MAR-1996
FILING DATE: 14-MAR-1995
FILING APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN 1995
FILING DATE: 07-JUN 1995
FILING DATE: 07-JUN 1995
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONTI, GIULIO A.
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 29; DB 3; I
100.0%; Pred. No. 4.1e+05;
tive 0; Mismatches 0;
                                                                                                          h
Similarity 100.0%; Score 29; DB 3; L
Similarity 100.0%; Pred. No. 4.1e+05;
6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-264-709A-13
; Sequence 13, Application US/09264709A
; Patent No. 6320024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: peptide
TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |||||||
KLVFFA 7
                                                                                                                               Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                   2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-617-267C-7
                                                               US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      В
                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-40G-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-4UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-6CT-1995
PRIOR APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
APPLICATION NUMBER: POT-16CP2
REGISTRATION NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 30, Application US/08703675C
Parent No. 6303567
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 29; DB 2; I
100.0%; Pred. No. 4.1e+05;
iive 0; Mismatches 0;
             APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
REFERENCE/COCKET NUMBER: PPI-002CP3
TELECOMMUNICATION INFORMATION:
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acids
US-08-612-785B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (617)/42-122.
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
FENGTH: 7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 8
US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
```

Gaps

ö

```
RESULT 13
US-09-747-408-19
i Sequence 19, Application US/09747408
j Patent No. 6670399
j GENERAL INFORMATION:
APPLICANT Green, Allan M.
ITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REPERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR PPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
                                                                                                                         100.0%; Score 29; DB 4; Length 7; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 4; Le
100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method For
TITLE OF INVENTION: Antagonizing Amnestic
TITLE OF INVENTION: Effects of Amyloid n
TITLE OF INVENTION: Protein and Improving
TITLE OF INVENTION: the Quality of Life
TITLE OF INVENTION: in Individuals
TITLE OF INVENTION: With Alzheimer Disease
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Duarte STATE: California COUNTRY: United States of America ZIP: 91010-0269 COMPUTER READABLE FORM: MEDIUM TYPE: 3M Bouble Density 5 1/4" MEDIUM TYPE: diskette COMPUTER: Wang PC OMPUTER: Mang PC SOFTWARE: Microsoft CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 19
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 14, Application PC/TUS9410475 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              City of Hope
                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                      ; LENGTH: 7
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-09-747-408-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                         |||||||
1 KLVFFA 6
                                                                                                                                                                                                                 1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US94-10475-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 14
                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
             APPLICANT: Roberts, Eugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
FILE REFERENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
CURRENT FILING DATE: 1999-03-09
PRIOR FILING DATE: 1997-02-07
NUMBER OF SEQ ID NOS: 39
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 13
                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTHARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18, Application US/09747408
; Patent No. 6670399
; GENERAL INFORMATION:
; APPLICANT: Grevals, Francine
; TITLE OF INVENTION: Compounds And Methods For Modulating
; TITLE OF INVENTION: Cerebral Amyloid Anglopathy
; FILE REFERENCE: NBI-088
; CURRENT APPLICATION NUMBER: US/09/747,408
; CURRENT FILING DATE: 2000-12-22
; PRIOR PILICATION NUMBER: 60/171,877
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 24
; NUMBER OF SEQ IO NOS: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 29; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 4.1e+05; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 3; Length 7; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09747408
Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ||||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                          US-09-264-709A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-747-408-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 11
US-09-747-408-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-747-408-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

ö

Gaps

```
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
"WEDIUM TYPE: Floppy disk
"TYPE": IBM PC compatible
"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 1, Application US/08630645
; Patent No. 5948763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
..
..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8 amino acids
                                  SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                6; Conservative
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-630-645-1
                                                                                                                              , TOPOLOGY: linear
, MOLECULE TYPE: peptide
US-08-612-785B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
                                                                                                           amino acid
                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 16
US-08-630-645-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/08612785B
; Sequence 5, Application US/08612785B
; Patent No. 5854204
; GENERAL INFORMATION:
    APPLICANT: Findeis, Mark A. et al.
    TITLE OF INVENTION:
    ADRESSEE: LAHIVE & COCKPIELD
    STREE: SEQUENCES: 40
    CORRESPONDENCE DADRESS:
    ADRESSEE: LAHIVE & COCKPIELD
    STREE: Beston
    STREE: ABSACHUSE FORM:
    MEDIUMTRY: USA
    COUNTRY: USA
    COMPUTER READABLE FORM:
    MEDIUM TYPE: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: IBM PC compatible
    OPERATION VINDER: USA 08/404,831
    FILING DATE: Herewith
    CLASSIFICATION NUMBER: USSN 08/475,579
    FILING DATE: 14-VMA-1995
    PRIOR APPLICATION DATA:
    APPLICATION NUMBER: USSN 08/475,579
    FILING DATE: 27-OCT-1995
    RING DATE: 27-OCT-1995
    ATTONEY AGENT INFORMATION:
    NAME: DECORIT, GIULLO A.
    APPLICATION NUMBER: 31,503
    REFERENCE/DOCKET NUMBER: 31,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 5; Length 7; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                   PRIOR APPLICATION DATA: U. S. Application PRIOR APPLICATION DATA: Serial No. PRIOR APPLICATION DATA: Serial No. PRIOR APPLICATION DATA: 08/127,904; filed PRIOR APPLICATION DATA: 29 September 1993. ATTORNEY/AGENT INFORMATION: NAME: Irons. Edward S. REJSTRATION NUMBER: 16,541
REGISTRATION NUMBER: 16,541
RELEPRENCE/DOCKET NUMBER: None
TELECOMMUNICATION INFORMATION:
TELEPROMUNICATION 1870RMATION:
TELEPROMUNICATION 1870RMATION:
TELEPROMUNICATION 1870RMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
   UMBER: PCT/US94/10475
16 September 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (617) 742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                 FILING DATE: 1
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 None
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
TOPOLOGY:
PCT-US94-10475-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-612-785B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX:
TELEX: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

```
APPLICANT: BAUMAN, Marc
APPLICANT: PRANCIONE, BIAC
APPLICANT: FRANCIONE, BIREBOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: THIP PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
STREET: WAS ADDRESSE: BROWDY AND NEIMARK
STREET: WAS SEVENT STREET, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 2; Length 8; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
   Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,645
FILING DATE:
CLASSIFICATION DATE:
PRIOR APPLICATION DATE:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
100.0%; Score 29; DB 2; I
100.0%; Pred. No. 4.1e+05;
```

```
RESULT 19
US-09-095-106A-44

i Sequence 44, Application US/09095106A

i Sequence 44, Application US/09095106A

i Patent No. 633140

i GENERAL INFORMATION:

APPLICANT: NASJUND, Jan

APPLICANT: THYBERG, Johan

APPLICANT: THYBERG, Lars O.

APPLICANT: THYBERG, Lars O.

APPLICANT: TRENIUS, Lars

ITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA

FILE REFERENCE: 000500-124

CURRENT APPLICATION NUMBER: US 60/009,386

PRIOR APPLICATION NUMBER: US 60/009,386

PRIOR FILING DATE: 1998-06-10

PRIOR FILING DATE: 1998-12-29

PRIOR FILING DATE: 1998-12-29

NUMBER OF SEQ ID NOS: 44

SEQ ID NOS: 44

SEQ ID NOS: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 29; DB 3; Length 8; Best Local Similarity 100.0%; Pred. No. 4.1e+05; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 29; DB 3; Length 8; 100.0%; Pred. No. 4.1e+05;
                      COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER IN PC compatible

COMPUTER BEADABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER IN PC compatible

COMPUTER STEEM: PC-DOS/MS-DOS

SOGTWARE: PAEGATION DATA:

APPLICATION NUMBER: US/08/617,267C

FILING DATE: 14-MAR-1996

FILING DATE: 14-MAR-1995

FILING DATA:

APPLICATION NUMBER: USSN 08/475,579

FILING DATE: 07-MN-1995

FILING DATE: 07-MN-1995

FILING DATE: 17-MN-1995

FILING DATE: 17-M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (617,227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Amyloidosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-095-106A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-617-267C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                         Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/08617267C
Patent No. 6319498
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STRRET: 28 State Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                  STATE: Mass.

COUNTRY: USA

ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible;
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C

TLING DATE: 27-AUG-1996

TLING DATE: 27-AUG-1996
                                                      Sequence 28, Application US/08703675C
Patent No. 6303567
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES: 46
CORRESPONDENCES
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 29; DB 3; L
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 27-AUG-1996
CLASSIFTCATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
ATTORNEY/AGENT INPORMATION:
REGISTRATION NUMBER: 41,106
REGISTRATION NUMBER: 41,106
REGISTRATION NUMBER: 41,106
REGISTRATION NUMBER: PPI-016CP2
TELECOMMULICATION INPORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                            STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 KLVFFA 8
RESULT 17
US-08-703-675C-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-703-675C-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-617-267C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: 1
STATE:
```

a ઠે

ô

ઠે g

```
Sequence 64, Application US/08766596A

Sequence 64, Application US/08766596A

Patent No. 6462171

GENERAL INFORMATION:

APPLICANT: SOTO-JARA, Claudio

APPLICANT: BAUMANN, Marc

APPLICANT: RAMGIONE, Blas

TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES

TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE

TITLE OF INVENTION: DEPOSITS

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                        SUPTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: PCT/US96/10220 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 419 Seventh Street, N.W., Suite 400 CITY: Washington STATE: D.C. COUNTRY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 5; 100.0%; Pred. No. 4.1e+05
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSER: BROWDY AND NEIMARK
ADDRESSER: A19 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 25,618
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SOTO-JARA=1 PCT
TELECOMMUNICATION INFORMATION:
TELECHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRICE APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UNN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                    ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 8 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 22
US-08-766-596A-64
                                                                                                                                      CITY: Was
STATE: D.
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US96-10220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                     APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: PEPTIOES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PEFTIDES AND PHARMACEUTICAL COMPOSITIONS
THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 4; Length 8; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
CITY: Washington
CITY: Washington
COUNTRY: U.SA
ZIP: 20004
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEPAX: 202-737-328
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino_acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UNN-1995
ATTORNEY AGENT INFORMATION:
NAME: YUN, Allen C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application PC/TUS9610220
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: PEPTIDES AND F
TITLE OF INVENTION: THEREOF FOR TF
TITLE OF INVENTION: WITH PROTEIN F
                                                                                                                                                                                                                                              Sequence 1, Application US/08766596A
Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                               KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PCT-US96-10220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-766-596A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
Sequence 20, Application US/09724961
; Sequence 20, Application US/09724961
; Patent No. 6743427
; GENERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Schenk, Dale B.
; APPLICANT: Wasquez, Nicki
; APPLICANT: Vasquez, Nicki
; APPLICANT: Vasquez, Nicki
; APPLICANT: Vasquez, Nicki
; APPLICANT: Wasquez, Nicki
; APPLICANT: Wasquez, Nicki
; APPLICANT: Wasquez, Nicki
; APPLICANT: Nucki
; APPLICANT: Nucki
; APPLICANT: Nucki
; PRIOR PRICATION NUMBER: US 09/580,015
; PRIOR FILING DATE: 1999-05-28
; PRIOR PILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: WS 09/201,430
; PRIOR APPLICATION NUMBER: WS 09/201,430
; PRIOR FILING DATE: 1998-11-30
; PRIOR FILING DATE: 1998-11-30
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 60/067,740
; PRIOR FILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 77
; SOGTWARE: PATECTI UNC: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 29; DB 3; Length 10; Best Local Similarity 100.0%; Pred. No. 1.9; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                       CITY: Milwaukee
STATE: Wisconsin Avenue
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53202-4497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAETELIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,833
                                                                                                                                                                                                                                                                                                                                                                              CLASSIPTION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Jean C.
REGISTATION NUMBER: 35,433
REFERENCE/DOCKET NUMBER: 960296.94291
TELECHOMUNICATION INFORMATION:
TELEFAX: (414) 277-5709
TELEFAX: (414) 271-3552
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 aming acids
                                                    E: Quarles & Brady
411 East Wisconsin Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
    NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single TOPOLOGY: linear
                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; MOLECULE TYPE: peptide US-08-970-833-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-724-961-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20, Application US/09747408
Fatent No. 6670399
GENERAL INFORMATION:
APPLICANT Green, Allan M.
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NO. 6070747,408
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT APPLICATION NUMBER: 60/171,877
PRIOR PAPLICATION NUMBER: 60/171,877
PRIOR PAPLICATION NUMBER: 60/171,877
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 20
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 29; DB 4; Length 9; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 4; Length 9; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 3, Application US/08970833
Patent No. 6022859
CENERAL INFORMATION:
APPLICANT: Kiessling, Laura L.
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA-AMYLOID TOXICITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
              FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 202-737-35c6
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-747-408-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-747-408-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 24
US-08-970-833-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            а
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             요
```

Gaps

```
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 28
US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ଟ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 21, Application US/09724961

Sequence 21, Application US/09724961

Patent No. 6743427

GENERAL INFORMATION:

APPLICANT: Bard, Frederique

APPLICANT: Wasquez, Nicki

APPLICANT: Vadnock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

TITLE OF INVENTION: Prevention

TITLE OF INVENTION: Prevention

CURRENT APPLICATION NUMBER: US/09/724,961

CURRENT APPLICATION NUMBER: US 09/580,015

PRIOR PILING DATE: 2000-05-26

PRIOR FILING DATE: 1999-05-28

PRIOR FILING DATE: 1998-11-30

PRIOR FILING DATE: 1998-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Varquez, Nicker, March
APPLICANT: Varquez, Varquez, Varquez, Varquez, Varquez, Varquez, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
OTHER INFORMATION: peptide)
; FEATURE:

OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide

OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid

OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity. 100.0%; Pred. No. 1.9;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                            Query Match
100.0%; Score 29; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 22, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                         5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ||||||
4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                  1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 27
US-09-724-961-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-724-961-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                        ò
```

```
Sequence 23, Application US/09724961

Sequence 23, Application US/09724961

Sequence 23, Application US/09724961

Setent No. 674347

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Vaequez, Nicki
APPLICANT: Vaequez, Nicki
APPLICANT: Vaequez, Nicki
APPLICANT: Vaeduez, Nicki
PRICANT: Vaeduez, Nicki
PRICANT: Vaeduez, Nicki
PRICANT: Vaeduez, Nicki
APPLICANT: Vaeduez, Nicki
PRICANT: Vaeduez, Nicki
APPLICANT: Vaeduez, Nicki
PRICANT: Vaeduez, Nicki
PRICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide;
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid;
OTHER INFORMATION: peptide)
US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid COTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 29; DB 4; Length 10;
Pred. No. 1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9; tive 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR PLILING DATE: 1999-05-28
PRIOR PILING DATE: 1999-05-28
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-14-30
PRIOR PILING DATE: 1998-14-30
PRIOR FILING DATE: 1997-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 KLVFFA 8
```

ô

Gaps

```
Sequence 21, Application US/09580018
| Patent No. 6761886 |
| GENERAL INFORMATION: |
| GENERAL INFORMATION: |
| APPLICANT: Schenk, Dale B. |
| APPLICANT: Bard, Frederique |
| APPLICANT: Bard, Frederique |
| APPLICANT: Pednock, Ted |
| TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease |
| TITLE OF INVENTION: Prevention und Treatment of Amyloidogenic Disease |
| TITLE OF INVENTION: Prevention und Treatment of Amyloidogenic Disease |
| TITLE OF INVENTION NUMBER: US/09/580,018 |
| CURRENT APPLICATION NUMBER: US 09/322,289 |
| PRIOR FILING DATE: 1999-05-28 |
| NUMBER OF SEQ ID NOS: 77 |
| SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 22, Application US/09580018
Patent No. 676188
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Yednock, Ted
TILLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152701-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 18 09/322,289
PRIOR FILING DATE: 1999-05-28
                            OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide;
CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid;
CHER INFORMATION: peptide)
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                   100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Length 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB (100.0%; Pred. No. 1.9; iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 10
                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                        Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                  |||||||
5 KLVFFA 10
                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |||||||
4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                ; ОТНЕК INFORM!
US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                            RESULT 31
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 32
US-09-580-018-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 21
LENGTH: 10
                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20, Application US/09580018

Sequence 20, Application US/09580018

Setent No. 6761888

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Yednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 15270J-004760US

CURRENT APPLICATION NUMBER: US/09/580,018

FILE REPRENCE: 15270J-004760US

CURRENT FILING DATE: 2000-05-26

FRIOR APPLICATION NUMBER: US 09/322,289

NUMBER OF SEQ ID NOS: 77

SOFTWARE: PATENTIN VET. 2.1

SOFTWARE: PATENTIN VET. 2.1

SEQ ID NO 20

LENGTH: 10
                                                                                                                                                                                                                                                                                    APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Yaquez, Nicki
APPLICANT: Yaquez, Nicki
APPLICANT: Yaquez, Nicki
APPLICANT: Yaquez, Nicki
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPRENER: 152700-004750U
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 1999-05-28
PRIOR FILING DATE: 1998-11-30
PRIOR PLILING DATE: 1998-11-30
PRIOR PLILING DATE: 1998-11-30
PRIOR PLILING DATE: 1998-04-07
PRIOR PLILING DATE: 1998-04-07
PRIOR FILING DATE: 1998-04-07
PRIOR FILING DATE: 1998-04-07
PRIOR FILING DATE: 1998-04-07
PRIOR FILING DATE: 1998-04-07
NUMBER OF SEQ ID NOS: 77
SCOTTANA.
     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9; ive 0; Mismatches 0; Indels
  Indels
  ö
Mismatches
                                                                                                                                                                                                                 Sequence 24, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 6; Conserv
                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                KLVFFA
.,
                                                                                                                                                                                            US-09-724-961-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 30
US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-724-961-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 24
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT
Matches
                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

ö

Gaps

```
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 KLVFFA 10
Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVFFA 6
                                                                             1 KLVFFA 6
                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 36
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-724-551-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                            ò
                                                                                       엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                             ö
                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 24, Application US/09580018
Sequence 24, Application US/09580018
Patent No. 676188
GENERAL INFORMATION:
APPLICANT: Schenk Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REPRENCE: 152704-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 1000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9;
                                               DB 4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                 100.0%; Score 29; DB
100.0%; Pred. No. 1.9
:ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 24
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.0
Matches 6; Conservative
    ; OTHER INFORMATION: peptide) US-09-580-018-22
                                                      Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 KLVFFA 7
                                                                                                                1 KLVFFA 6
                                                                                                                                           3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 34
US-09-580-018-24
                                                                                                                                                                                         RESULT 33
US-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                  ò
                                                                                                                                             g
```

```
ö
                                                                       ö
                                                                                                                                                                                                                                                                                                                    US-09-724-551-20
US-09-724-551-20

US-09-724-551-20

Sequence 20, Application US/09724551

Fatent No. 6787637

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vadnock, Ted
TITLE REFERENCE: 152704-004760US
FILE REFERENCE: 152704-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT PLING DATE: 2000-11-28
FRIOR FILING DATE: 2000-05-26
FRIOR FILING DATE: 1999-05-28
FRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 20

TANDER OF TABROTH OF TABROT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from ANI792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
0
                                                                           .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9; tive 0; Mismatches 0; Indels
; Score 29; DB 4; Length 10; Pred. No. 1.9; 0; Mismatches 0; Indels
           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 6; Conservative
```

```
SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                       Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                              1 KLVFFA 6
                                                                                                                                                          |||||||
2 KLVFFA 7
US-09-724-551-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-630-645-14
                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ద
                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/09724551
Fatent No. 6787637
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Pednock, Ted
TTILE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TTILE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
FRIOR FILING DATE: 2000-11-28
FRIOR FILING DATE: 109/9/580,018
FRIOR FILING DATE: 1090-5-26
FRIOR APPLICATION NUMBER: US/09/580,018
FRIOR FILING DATE: 1990-6-28
NUMBER OF SEQ ID NOS: 77
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Fednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152700-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR FILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 22
LENGTH: 10
                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
CHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
              Score 29; DB 4; Length 10; Pred. No. 1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9;
                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                            0; Mismatches
                                                                                                                                                                                                                                                            ; Sequence 22, Application US/09724551
; Patent No. 6787637
           Query Match
Best Local Similarity 100.0%;
Matches 6; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                    1 KLVFFA 6
                                                                                                                                                   KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-724-551-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
                                                                                                      ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
```

```
Sequence 14, Application US/08630645

Patent No. 5948763

GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: FANGIONE, BLAS
TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                            RESULT 39
US-09-724-551-24
| Sequence 24, Application US/09724551
| Patent No. 6787637
| GENERAL INFORMATION:
| APPLICANT: Schenk, Dale B.
| APPLICANT: Schenk, Ted
| TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
| TITLE OF INVENTION: Prevention and Treatment of Disease
| TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
| TITLE REFERENCE: 15270J-004760US
| CURRENT APPLICATION NUMBER: US/09/580,018
| PRIOR FILING DATE: 2000-05-26
| PRIOR APPLICATION NUMBER: US 09/322,289
| PRIOR FILING DATE: 1999-05-28
| PRIOR SEQ ID NOS: 77
| SOFTWARE: Patentin Ver. 2.1
                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 4; Length 10; 100.0%; Pred. No. 1.9; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
100.0%; Score 29; DB 4
100.0%; Pred. No. 1.9;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 2004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
```

```
ö
                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9, Application US/0998842
; Sequence 9, Application US/0998842
; Patent No. 6716589
; GENERAL INFORMATION:
    TITLE OF INVENTION:
    TITLE 
                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INPORMATION:
GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: JOHANSSON, JAN
APPLICANT: JOHANSSON, JAN
TITLE OF INVENTION: DISCORDANT HELLX STABILIZATION FOR PREVENTION
TITLE OF INVENTION: DE ANYLOID FORMATION
FILE REFERENCE: 12125-002001
CURRENT APPLICATION NUMBER: US 60/251,662
PRIOR PILING DATE: 2000-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 29; DB 4; Length 11; Best Local Similarity 100.0%; Pred. No. 2; Mismatches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                  DB 4; Length 11;
2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Synthetically generated peptide US-09-988-842-9
                                                                                                                                                                                                                                                                                             h
Similarity 100.0%; Pred. No. 2;
6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 25
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 43
US-05-988-842-25
Sequence 25, Application US/0998842
; Patent No. 6716589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
      14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acids
TYPE: amino acids
STRANDEDNESS: single
                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-766-596A-14
                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |||||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-988-842-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGIH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               원
                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 14, Application US/08766596A

Sequence 14, Application US/08766596A

Sequence No. 6462171

GENERAL INFORMATION:
APPLICANT: SOTO-JRA, Claudio
APPLICANT: SOTO-JRA, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
100.0%; Score 29; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 20004
ZIP: 20004
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-ARR-1996
FILING APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
ATTORNEY/AGENT INFORMATION:
NAME: VIN, Allen C.
REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                    APPLICALLC.
FILING DATE:
CLASSIPTCATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REPRENCE/DOCKET NUMBER: SOTO-JARA
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                             SOTO-JARA=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 14: SEQUENCE CHARACTERISTICS: LENGTH: 11 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-630-645-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Washing
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 41
US-08-766-596A-14
```

ð 셤

```
TITLE OF INVENTION: IMMUNOLOGICAL CONTROL OF BETA-AMYLOID LEVELS IN VIVO FILE REFERENCE: BBRI-2004 CURRENT APPLICATION NUMBER: US/09/594,366 CURRENT APPLICATION NUMBER: 60/139,408 PRIOR APPLICATION NUMBER: 60/139,408 PRIOR PILING DATE: 1999-06-16 NUMBER OF SEQ ID NOS: 7 SEQ ID NOS: 7 SEQ ID NOS: 7 LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                              DB 4; Length 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT: 40
US-08-612-785B-14
Sequence 14, Application US/08612785B
Sequence 14. Application US/08612785B
Sequence 14. Application US/08612785B
SEQUENCE 14. Application: Application: Application: Findels, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
TITLE OF ENVENTION: Aggregation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: TBM PC Compatible
COMPUTER: TBM PC Compatible
COMPUTER: TBM PC Compatible
COMPUTER: TBM FC COMPUTER:
COMPUTER: TBM PC COMPUTER:
COMPUTER: TBM PC COMPUTER:
COMPUTER: TBM PC COMPUTER:
COMPUTER: TBM PC COMPUTER:
COMPUTER: Pacentin Release #1.0, Version #1.25
CURSELICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: 14-MAR.1995
FILING DATE: 14-MAR.1995
FILING DATE: 07-JUN.1995
FILING DATE: 07-JUN.199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 29; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Massachusetts
: USA
                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
US-09-594-366-5
  APPLICANT: Raso, Victor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02109-1875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-612-785B-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: Ma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                               ö
                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 5; Length 11; 100.0%; Pred. No. 2;
                                                                                        100.0%; Score 29; DB 4; Length 11; 100.0%; Pred. No. 2;
                                                                                                                                                               IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10220
                      ; OTHER INFORMATION: Synthetically generated peptide US-09-988-842-25
                                                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINTED DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-707-1995
RIGHTOR APPLICATION NUMBER: US 08/630,645
PRICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
ATORNEY/AGENT INFORMATION:
NAME: BROWDY, ROGET L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SOTO-JARA=1 PCT
TELEPHONE: 202-628-5197
                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 14, Application PC/TUS9610220 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-594-366-5
; Sequence 5, Application US/09594366
; Patent No. 6582945
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPAX: 202-73/-222
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
TRNGTH: 11 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
                                                                                                   Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
TITLE OF INVENTION: PEP-
TITLE OF INVENTION: THE:
TITLE OF INVENTION: WITH
UNDER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                 ||||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               D.C.
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                  PCT-US96-10220-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US96-10220-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: D
COUNTRY:
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 45
                                                                                                                                                                                                                                                                                                                                                        RESULT 44
                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
```

```
US-08-617-267C-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                              ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
100.0%; Score 29; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 6; Conservative 0; Mismatches 0; Indels
                    100.0%; Score 29; DB 2; Length 15; 100.0%; Pred. No. 2.8; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 37, Application US/08612785B
Patent No. 5854204
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Boston
STATE: Massachusetts
COMTRY: Massachusetts
CONTRY: CONTRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 48
US-08-617-267C-14
'Sequence 14, Application US/08617267C'
'Patent No. 6319498
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 1:-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6 KLVFFA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                    1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-612-785B-37
                                                                                                                                                                                                                                                                                                                                                                    US-08-612-785B-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                    ò
                                                                                                                                                                                                                                   g
```

```
GENERAL INFORMATION:
APPLICANT: SOTO-JRA, Claudio
APPLICANT: SOTO-JRA, MATC
APPLICANT: BAUMANN, MATC
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: PERTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
THE OF INVENTION: DEPOSITS
THE OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
GENERAL INFORMATION:

APPLICANT: Findeis, Mark A. et al.

TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45

CORRESPONDENCES: 45

CORRESPONDENCES: ALMIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
CITY: Boston
CITY: Boston
COUNTRY: USA
ZIP: ABSSACHUSELTS
COMPUTER: Potopy disk
COMPUTER: Proppy disk
COMPUTER: Proppy disk
COMPUTER: Proppy disk
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
PILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 17-OCT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 3; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0%; Pred. No. 2
Matches 6; Conservative 0; Mismatche
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REGISTRANCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-766-596A-56
; Sequence 56, Application US/08766596A
; Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
ZIP: 2000
```

ô

Gape

```
100.0%; Score 29; DB 4; Length 15; 100.0%; Pred. No. 2.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                       REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: 37,971
REPERBENCE/POCKET NUMBER: SOTO-JARA=1A
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search completed: March 9, 2005, 06:42:59 Job time : 16.0274 secs
  US 08/478,326
                    FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.00
                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-766-596A-57
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, BEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 4; Length 15; 100.0%; Pred. No. 2.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
           MEDIUM TYPE: FIOPPY disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE: US/08/766,596A
FILING APPLICATION NUMBER: US 08/630,645
FILING APPLICATION NUMBER: US 08/630,645
RIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 0-APR-1996
RIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 0-APR-1995
ATTOMEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTER EADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                      NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMMULICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEPHONE: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 57, Application US/08766596A Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 202-737-555.
INFORMATION FOR SEQ ID NO: 56: SEQUENCE CHARACTERISTICS: TRNGTH: 15 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |||||||
5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-766-596A-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 50
US-08-766-596A-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
```

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.	28	53	30
GenCore version 5.1.6 (c) 1993 - 2005 Compugen			
GenCore version (c) 1993 - 2005			en
GenC Copyright (c) 1		Ore version 5	.993 - 2005 C
Copyright		GenC	(C)
			Copyright

OM protein - protein search, using sw model

March 9, 2005, 06:11:36; Search time 16.0274 Seconds (without alignments) 27.946 Million cell updates/sec Run on:

US-10-009-122-4 31

1 KFVFFA 6 Title: Perfect score: Sequence: BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

Searched:

513545 Total number of hits satisfying chosen parameters: 513545 segs, 74649064 residues

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	K	4, Appli		18091, A		~	~	28,	30,	36,	2631	4859, Ap	40694, A	55910, A	4, Appli			5445, Ap	42516,	19539, A	40453, A		45548, A			1,	ij	2, Appli
	Description	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
SUMMARIES	ID	US-09-747-408-4	US-09-747-408-12	US-09-248-796A-18091	US-08-888-998-2	US-09-362-633-2	US-09-877-476-2	US-09-877-476-28	US-09-877-476-30	US-09-877-476-36	US-09-248-796A-26311	US-09-513-999C-4859	US-09-270-767-40694	US-09-270-767-55910	US-09-823-153-4	US-09-270-767-57813	US-09-902-540-10859	US-09-134-001C-5445	US-09-270-767-42516	US-09-248-796A-19539	US-09-270-767-40453	US-09-270-767-55669	US-09-270-767-45548	US-09-270-767-34763	US-09-270-767-49980	US-08-704-711A-1	US-09-521-220-1	US-08-704-711A-2
	DB	4	4	4	٣	٣	4	4	4	4	4	4	4	4	4	4	4	m	4	4	4	4	4	4	4	m	m	m
	Length DB	9	9	1283	206	206	206	206	206	206	67	82	96	98	104	116	238	240	266	320	340	340	475	525	525	579	579	582
de	Query Match	100.0	100.0	96.8	90.3	90.3	90.3	90.3	90.3	90.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	Score	31	31	30	28	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
	Result No.	1	~	٣	4	S	9	7	æ	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

1, Appl 28, Appl 28, Appl 28, Appl 11, Appl 12, Appl 13390, 33390, 33390, 33390, 33390, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403, 33403,	equence 41366 equence 56582 equence 11308 equence 424, equence 17185 equence 28952, equence 28956, equence 28960, equence 22660, equence 22660, equence 22660, equence 22660,
US-08-448-489-1 US-09-211-704A-9 US-09-211-704A-9 US-09-321-20-2 US-09-31-104-28 US-09-276-75-101 US-09-276-76-101 US-09-276-76-60733 US-09-270-767-60733 US-09-270-767-60733 US-09-270-767-60733 US-09-270-767-6073 US-09-270-767-6073 US-09-270-767-607 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-38463 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403 US-09-270-767-56403	-09-270-767-4136 -09-270-767-4136 -09-220-917-5658 -09-902-540-1130 -09-489-0398-895 -09-252-991A-171 -09-489-039A-895 -09-520-991A-171 -09-520-991A-280 -09-520-991A-280 -09-520-991A-280 -09-520-991A-280 -09-520-991A-280
88888888 88888888 89888888 8088888 808888 808888 808888 808888 808888 808888 808888 808888 8088 8088 80888 8088 8088 80888 80888 80888 8088 80888 80888 80888 80888 8088 8088 80888	00001100000000000000000000000000000000
88888888888888888477777777777777777777	
777777777777777777777777777777777777777	
0.010 0.00 0.00 0.00 0.00 0.00 0.00 0.0	

ALIGNMENTS

ö US-09-747-408-4

Sequence 4, Application US/09747408

Patent No. 6670390

GENERAL INFORMATION:

APPLICANT: Green, Allan M.

TITLE OF INVENTION: Compounds And Methods For Modulating

TITLE OF INVENTION: Cerebral Amyloid Angiopathy

FILE REFERENCE: NBI-088

CURRENT APPLICATION NUMBER: US/09/747,408

CURRENT FILING DATE: 2000-12-22

PRIOR FILING DATE: 1999-12-23

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NA Length 6; Indels 100.0%; Score 31; DB 4; L nilarity 100.0%; Pred. No. 4.1e+05; Conservative 0; Mismatches 0; ORGANISM: Homo sapiens US-09-747-408-4 Query Match Best Local Similarity Matches 6; Conserv

1 KFVFFA 6

ö

Gaps

|||||| 1 KFVFFA 6

ద ò

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 506;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "Amino acid sequence of FAE1 protein."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: Steuart Street Tower, One Market Plaza CITY: San Francisco STATE: California
                                                                                                                                                                                                                                           OFFRAINGS SYSTEM:
OFFRAINGS SYSTEM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/088,998
FILING DATE: US/08/088,998
FILING DATE: US/08/088,998
FILING DATE: US/08/088,998
FILING DATE: US/08/089,998
ATTONNUMBER: US/08/329,603
FILING DATE: 26-OCT-1994
ATTONNEY/AGENT INPORMATION:
NAME: Bactian, Kevin L.
REGISTRATION NUMBER: 12176-004300
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OFFI
SEQUENCE: CARACTERISTICS:
SEQUENCE: CARACTERISTICS:
LEMETHE: SOG mains acids
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: Steuart Street Tower, One Market Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09362633
Sequence 2, Application US/09362633
Patent No. 6.184355
GENERAL INFORMATION:
APPLICANT: JAMES, Douglas W.
APPLICANT: LIM, Eda
APPLICANT: LIM, Eda
APPLICANT: LIN, Eda
APPLICANT: MUNICANION: PALI GENES AND THEIR USES
INTEE OF INVENTION: PALI GENES AND THEIR USES
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Cr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 28; DB 3;
Pred. No. 4.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Palest
                                                                                                        ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DC
SOFFWARE: PatentTr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SS: not relevant
not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: not releval MOLECULE TYPE: peptide
                                                                 CITY: San Francisco
STATE: California
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: 1.506
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||:|||
356 KFLPFA 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
TITLE OF INVENTION:
FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION:
FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION:
FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US 60/074,725
FRIOR PEPLICATION NUMBER: US 60/074,725
FRIOR FILING DATE: 1998-02-13
FRIOR APPLICATION NUMBER: US 60/096,409
FRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 18091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         96.8%; Score 30; DB 4; Length 1283;
83.3%; Pred. No. 4.4e+02;
tive 1; Mismatches 0; Indels
                                    Sequence 12, Application US/09747408
| Patent No. 6670399
| GENERAL INFORMATION:
| APPLICANT: Green, Allan M. |
| APPLICANT: Gereal, Allan M. |
| APPLICANT: Gereal, Francine | TITLE OF INVENTION: Cerebral Amyloid Angiopathy | TITLE OF INVENTION: Cerebral Amyloid Angiopathy | FILE REFERENCE: US/09/747,408 | CURRENT FILING DATE: 2000-12-22 | PRIOR APPLICATION NUMBER: 60/171,877 | PRIOR PRIOR DATE: 1999-12-23 | SOFTWARE: FRSESQ for Windows Version 4.0 | SEQ ID NO 12 | LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 4; 1 Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: JAMES, Douglas W.
APPLICANT: LIM, Eda
APPLICANT: KELLER, Janis
APPLICANT: KELLER, Janis
APPLICANT: DOONER, Hugo K.
TITLE OF INVENTION: FABI GENES AND THEIR USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18091, Application US/09248796A Patent No. 6747137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, Application US/08888998
Patent No. 6124524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-18091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
CRGANISM: Homo sapiens
US-09-747-408-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||||||
1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -09-248-796A-18091
                               US-09-747-408-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 4
US-08-888-998-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 30
LENGTH: 506
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||:|||
356 KFLFFA 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  356 KPLPPA 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: VARIANT LOCATION: (0)...(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 8
US-09-877-476-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-877-476-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ଟ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90.3%; Score 28; DB 4; Length 506; 83.3%; Pred. No. 4.6e+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90.3%; Score 28; DB 3; Length 506; 83.3%; Pred. No. 4.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:

NAME/KEY: Protein

COCATION: 1..506

OTHER INFORMATION: /note= "Amino acid sequence of FAE1

OTHER INFORMATION: protein."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-877-476-2

Sequence 2, Application US/0987476

Fatent No. 6713664

THEOREMATION: Blacklock, Brenda J.

APPLICANT: Blacklock, Brenda J.

TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA TITLE OF INVENTION: PATOH-108001

CURRENT APPLICATION NUMBER: US/09/877,476

CURRENT FILING DATE: 2001-06-08

PRIOR FILING DATE: 2000-06-08

NUMBER OF SEQ ID NOS: 56

SEQ ID NO 2

LENGTH: 506
                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: BREATION, KEVIN L.,
NEGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 12176-004300
TELEFONE (415) 543-9600
TELEFONE: (415) 543-9600
TELEFONE: (415) 543-9600
TELEFONE (415) 543-9600
TELE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/362,633
FILING DATE:
CLASTPICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/888,998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-877-476-28
Sequence 28, Application US/09877476
Patent No. 6713664
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SIKANDEDNESS: not relevant TOPOLOGY: not relevant MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Arabidopsis thaliana US-09-877-476-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 90.3
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 90.3
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||:|||
356 KFLFFA 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     356 KFLFFA 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
OTHER INFORMATION: 5' 176 amino acids from B. napus elongase KCS (SEQ OTHER INFORMATION: ID NO:4) and 3' 330 amino acids from A. thaliana OTHER INFORMATION: FAE1 (SEQ ID NO:2); designated Bn176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: 5' 399 amino acids from A. thaliana FAEI (SEQ ID OTHER INFORMATION: NO:2) and 3' 107 amino acids from B. napus OTHER INFORMATION: elongase KCS (SEQ ID NO:4); designated At399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 90.3%; Score 28; DB 4; Length 506; Best Local Similarity 83.3%; Pred. No. 4.6e+02; Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 506;
APPLICANT: Blacklock, Brenda J.
TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA
TITLE OF INVENTION: SYNTHASE POLYPEPTIDES
FILE REFERENCE: 0148-108001
CURRENT APPLICATION NUMBER: US 60/210,326
FRICH FILING DATE: 2001-06-08
FRICH FILING DATE: 2000-06-08
NUMBER OF SEQ ID NOS: 56
SEQ ID NO 28
LENGTH: 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 30, Application US/09877476
Fatent No. 6713664
GENERAL INFORMATION
FAPPLICANT: Javorski, Jan G.
APPLICANT: Blacklock, Brenda J.
TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA
TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA
TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA
TITLE OF INVENTION: SYMTHASE POLYPEPTIDES
FILE REFERENCE: 07148-108001
GURRENT APPLICATION NUMBER: US 60/210,326
FRICK APPLICATION NUMBER: US 60/210,326
FRICK FILING DATE: 2000-06-08
NUMBER: OS SEG ID NOS: 56
SOSTWARRE: FRSESQ for Mindows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                90.3%; Score 28; DB 4; Le 83.3%; Pred. No. 4.66+02; Ative 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , OTHER INFORMATION: Xaa = Pro or Gln US-09-877-476-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
US-09-877-476-36
Sequence 36, Application US/09877476
Patent No. 6713664
GENERAL INFORMATION:
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 40694, Application US/09270767

Sequence 40694, Application US/09270767

Parent No. = 70703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION: Mucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 40694

LENGTH: 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 55910, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;

FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

87.1%; Score 27; DB 4; Length 98;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 98;
                                                                                                                                                                                                                                                                   Length 82;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                   87.1%; Score 27; DB 4; Le 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             87.1%; Score 27; DB 4; L¢
100.0%; Pred. No. 1.7e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-40694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-55910
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 4659
LENGTH: 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100...
5, Conservative
                                                                                                                                                                                                                                                                      Query Match 87.1
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                 32 KFVFF 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          84 KFVFF 88
                                                                                                                                                                                                                                                                                                                                                                 1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 13
US-09-270-767-55910
                                                                                                                                                                                                                       US-09-513-999C-4859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-270-767-40694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 55910
LENGTH: 98
                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Kelth Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 26311
LENGTH: 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4859, Application US/09513999C
Batent No. 6783961
GENERAL INFORMATION:
APPLICANT: Duries Milne Edwards, J.B.
APPLICANT: Duriett, A.
APPLICANT: Glordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                        ) OTHER INFORMATION: 506 amino acids from A. thaliana FAE1 (SEQ ID ) OTHER INFORMATION: NO:2) having a mutation at residue 92; designated ; OTHER INFORMATION: At K92R; hypothetical US-09-877-476-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90.3%; Score 28; DB 4; Length 506;
83.3%; Pred. No. 4.6e+02;
iive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          87.1%; Score 27; DB 4; Length 67; 66.7%; Pred. No. 1.2e+02; ive 2; Mismatches 0; Indels
                           APPLICANT: Blacklock, Brenda J.
TITLE OF INVENTION: FATTY ACID ELONGASE 3-KETOACYL COA
TITLE OF INVENTION: SYNTHAGE POLYPEPTIDES
FILE REFERENCE: 07148-108001
CURRENT APPLICATION NUMBER: US/09/877,476
CURRENT FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/210,326
PRIOR APPLICATION NUMBER: US 60/210,326
PRIOR FILING DATE: 2000-06-08
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PastSEQ for Windows Version 4.0
LENGTH: 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 26311, Application US/09248796A Patent No. 6747137
                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 90.3
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 66.7
Matches 4; Conservative
            APPLICANT: Jaworski, Jan G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ||:|||
356 KFLFFA 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ||:|:|
16 KFIFYA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KEVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-248-796A-26311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-248-796A-26311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
US-09-513-999C-4859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
```

ô

```
US-09-144-001C-5445

Sequence 5445, Application US/09134001C
Sequence 5445, Application US/09134001C
Sequence 5445, Application US/09134001C
Sequence 5445, Application US/09134001C
GENERAL INC. 6300370
TITLE OF INVENTION: WOCKET ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: WOMBER: US/09/134,001C
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1997-11-08
PRIOR FILING DATE: 1997-11-08
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5445
SEQ ID NO 5445
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-270-767-42516

US-09-270-767-42516

Sequence 42516, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION:

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 42516

LENGTH: 266
                        APPLICANT: Hinkle, Gregory J.
APPLICANT: Stater, Steven C.
APPLICANT: Stater, Steven C.
APPLICANT: Stater, Steven C.
APPLICANT: Misgand, Moxococcus xanthus Genome Sequences and Uses Thereof TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REPRENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR PILING DATE: 2001-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 10859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                               Length 238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 240;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 27; DB 3; Length 240
Pred. No. 3.7e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                          Score 27; DB 4; L
Pred. No. 3.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                           97.1%; Scor.
100.0%; Pred. No. 5...
'... 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             87.1%;
                                                                                                                                                                                                                                                                                                                                   ORGANISM: Myxococcus xanthus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 85.5.
Best Local Si Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                           5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         168 QFVFFA 173
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   132 KFVFF 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                              US-09-902-540-10859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                            APPLICANT: Bristol. Myers Squibb Company
APPLICANT: Bristol. Myers Squibb Company
APPLICANT: Roberts, Susan
APPLICANT: Pak, Martin
APPLICANT: Smith, David
APPLICANT: Hendrick, Joseph
APPLICANT: Hendrick, Joseph
APPLICANT: Hendrick, Joseph
APPLICANT: Winitsky, Alexander
TITLE OF INVENTION: ISOLATION OF FUNCTIONALLY ACTIVE GAMMA-SECRETASE PROTEIN COMPLEX
TITLE OF INVENTION: WHENDER: US/09/823,153
CURRENT APPLICATION NUMBER: US/09/823,153
CURRENT APPLICATION NUMBER: 2001-07-02
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62217
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 57813
LENGTH: 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       87.1%; Score 27; DB 4; Length 116; 100.0%; Pred. No. 1.9e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 27; DB 4; Length 104
Pred. No. 1.8e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-57813
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-270-767-57813
; Sequence 57813, Application US/09270767
; Patent No. 6703491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 16
US-09-902-540-10859
; Sequence 10859, Application US/09902540
; Patent No. 6813447
; GENERAL INFORMATION;
                                                                                                                                                               Sequence 4, Application US/09823153
Patent No. 6713248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  87.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 87.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 87.1
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Human Beta App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :|||||
21 EFVFFA 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         62 KFVFF 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 4
LENGTH: 104
TYPE: PRT
                                                                                                                                         US-09-823-153-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-823-153-4
ઠ
```

ઠે 셤 ઠે 요

Wed Mar

ે 유

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 34763, Application US/09270767
; Sequence 34763, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; SUFFER PATENTION NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34763
US-09-270-767-55669
US-09-270-767-55669
US-09-270-767-55669
Sequence 5-5669, Application US/09270767
Sequence 5-5669, Application US/09270767
GENERAL INFORMATION:
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094
CURRENT PILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5-5669
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 45548, Application US/09270767

Sequence 45548, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:
APPLICANT: Homburger et al.
TILLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TILLE OF INVENTION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 45548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 475;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 340;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        87.1%; Score 27; DB 4; Le
100.0%; Pred. No. 6.8e+02;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

87.1%; Score 27; DB 4; Sest Local Similarity 66.7%; Pred. No. 5.1e+02; Matches 4; Conservative 2; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                             , OTHER INFORMATION: Xaa means any amino acid US-09-270-767-55669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Xaa means any amino acid US-09-270-767-45548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 87.1
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310 KYIFFA 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KFVFF 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 23
US-09-270-767+34763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 22
US-09-270-767-45548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Keith Weinetock et al
APPLICANT: Keith Weinetock et al
TITLE OF INVENTION: WUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.132
CURRENT PAPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR FILING DATE: 1999-02-13
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-08-13
ROUBER OF SEQ ID NOS: 28208
SEQ ID NOS: 28208
LENGTH: 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Homburger et al.
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REPERENCE: File Reference: 7326-094
CURRENT PAPLICATION NUMBER: U$/09/270,767
CURRENT FILING DAIE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 40453
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          87.1%; Score 27; DB 4; Length 340;
66.7%; Pred. No. 5.1e+02;
iive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               87.1%; Score 27; DB 4; Length 320;
100.0%; Pred. No. 4.8e+02;
ive 0; Mismatches 0; Indels
                                                                                                        87.1%; Score 27; DB 4; Length 266;
100.0%; Pred. No. 4.1e+02;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Xaa means any amino acid US-09-270-767-40453
              ; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-42516
                                                                                                                                                                                                                                                                                                                                               US-09-248-796A-19539
; Sequence 19539, Application US/09248796A
; Patent No. 6747137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 40453, Application US/09270767 Patent No. 6703491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 66.77
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Candida albicans
                                                                                                             Query Match 87.1
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |::|||
310 KYIFFA 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23 KFVFF 27
                                                                                                                                                                                                                                                      62 KFVFF 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KFVFF 5
                                                                                                                                                                                                         1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-248-796A-19539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 20
US-09-270-767-40453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
```

ò

```
Sequence 1, Application US/09521220
Sequence 10. 6399348
GENERAL INFORMATION:
APPLICANT: WILL, Horst
HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
METALLOPROTEASES, THEIR PRODUCTION AND USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA

ZIP: 20007-5109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/521,220
FILING DATE: 08-Mar-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   87.1%; Score 27; DB 3; Length 579;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: GRANADOS, PALTÍCÍA D.
REGISTRATION NUMBER: 33,683
REFERENCE/POCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Prec.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/704,711
FILING DATE: «Unknown»
PAPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-OCT-1994
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-0CT-1994
APPLICATION DATE: B 4409663.1
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33.683
REFERENCE/DOCKET NUMBER: 26083/124
TELECHONE: (202)672-5300
TELEFRAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-OCT-1994
17-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                         TELEX: 904136
INFORMATION FOR SEO ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              · NUMBER OF SEQUENCES: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 904136
                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear
US-08-704-711A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    375 KFVPF 379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 26
US-09-521-220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                            RESULT 24

US-09-270-767-49980

Sequence 49980, Application US/09270767

Patent No. 6703431

GENERAL INFORMATION:

TITLE OF INVENTION: Number et al.

TITLE OF INVENTION: Number: 1326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT APPLICATION NUMBER: US/09/270,767

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: Patent IN Ver. 2.0

SEQ ID NO 49980

LENGTH: 525
                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

APPLICANT: WILL, HOTEL
TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCES: 22
CORRESPONDENCESS:
ADDRESSEE: Foley & Lardner
STREST: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                            87.1%; Score 27; DB 4; Length 525; 66.7%; Pred. No. 7.4e+02; tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 87.1%; Score 27; DB 4; Length 525; Best Local Similarity 66.7%; Pred. No. 7.4e+02; Matches 4; Conservative 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: USA
ZIP: 20007-5109
ZIP: 20007-5109
ZIP: Ploppy disk
MEDIUM TYRE: Ploppy disk
COMPUTER: PLOPPY disk
COMPUTER: LBW PC COMPALIDLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/704,711A
FILING DATE: 20-NOV-1996
CLASSIFICATION 435
FRICA APPLICATION DATA:
APPLICATION NUMBER: WO PCT/DE95/00357
FILING DATE: 17-MAR-1995
                                       OTHER INFORMATION: Xaa means any amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Xaa means any amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1, Application US/08704711A Patent No. 6114159
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Drosophila melanogaster
                                                                                                            Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |::|||
446 KYIFFA 451
                                                                                                                                                                                                                                 |::|||
446 KYIFFA 451
                                                                                                                                                                                                     1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KFVFFA 6
                                                               US-09-270-767-34763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-270-767-49980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 25
US-08-704-711A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              В
```

Gaps

; 0

```
Length 582;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94304-1104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211,704A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 87.1%; Score 27; DB 3; Best Local Similarity 100.0%; Pred. No. 8.2e+0 Matches 5; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/005,263
FILING DATE: 09-JAN-1998
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0781K
TELECOMMUNICATION INFORMATION:
                                                                                                                                                          US-08-448-489-1; Sequence 1, Application US/08448489; Patent No. 6184022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (650)852-9196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     378 KFVFF 382
                                                  378 KFVFF 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KFVFF S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-211-704A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-448-489-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                          g
  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ó,
                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-UB-UW4-'LIA-Z
SQUENCE 2, Application US/08704711A
Fatent No. 614159
GENERAL INFORMATION:
HAPLICANT: HINZKANN, BERDA
TITLE OF INVENTION: MATALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSES: FOLSY & Lardner
STRRET: 3000 K Street, N.W., Suite 500
CITY: Washington
STRRET: 1000 K Street, N.W., Suite 500
COUNTRY: USA
ZIP: 120007-5109
COUNTRY: USA
ZIP: 120007-5109
COUNTRY: USA
ZIP: 20007-5109
COUNTRY: USA
ZIP: 20007-5109
COUNTRY: WAS PATENTINE RELABLE FORM:
MEDIUM TYPE: FloSyMS-DOS
OPERATING SYSTEM: DC-DOS/MS-DOS
SOFTWARE: PET CONTON THE PET SYSTEM:
MEDIUM TYPE: BLOSYMS-DOS
CONTRANT APPLICATION DATA:
PILING DATE: 10007-1996
CLASSIFTCATION NUMBER: WO PCT/DE95/00357
FILING DATE: 17-MAR-1995
REGISTRATION NUMBER: DE 44138838.1
FILING DATE: 17-MAR-1995
PETLING DATE: 17-MAR-1995
PETRING DATE: 17-MAR-1995
PETLING DATE: 17-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

87.1%; Score 27; DB 3; Length 582;
Best Local Similarity 100.0%; Pred. No. 8.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                         87.1%; Score 27; DB 3; Length 579;
100.0%; Pred. No. 8.1e+02;
tive 0; Mismatches 0; Indels
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 amino acids
TYPE: amino acid
STRANDEDRESS: single
TOPOLOGY: linear
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 582 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (202) 672-5300
(202) 672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 582 amino acida
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TOPOLOGY: linear
US-08-704-711A-2
                                                                                                                                                                                                                                                                                                                                                                                                         375 KFVFF 379
                                                                                                                                                                                                                                                                                                                                                      1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 27
US-08-704-711A-2
                                                                                                                                                                                            US-09-521-220-1
                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                           g
```

```
Gaps
GRUERAL INFORMATION:

APPLICANT: SELIKI, Motoharu
APPLICANT: SATO, Hiroshi
APPLICANT: SHINAGAWA, Akira
APPLICANT: SHINAGAWA, Akira
APPLICANTON: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR
FILE REFERENCE: 55-290P
CURRENT APPLICATION NUMBER: US/08/448,489
CURRENT FILING DATE: 1995-06-07
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 9, Application US/09211704A

Sequence 9, Application US/09211704A

Patent No. 6771014

GENERAL INFORMATION:
APPLICANT: descire, Francois
APPLICANT: Caux, Christophe
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: and Methods
NUMBER OF SEQUENCES: 10
CORRESPONDENCES: 10
CORRESPONDENCES: 10
STREET: 901 California Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                              .;
0
```

ó

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-019-497-84

US-09-019-497-84

Sequence 84, Application US/09919497

Patent No. 6773883

GENERAL INFORMATION:

APPLICANT: Mutter, George L.

TITLE OF INVENTION: PROGNOSTIC CLASSIFICATION OF ENDOMETRIAL CANCER

FILE REFRENCE: B0801/7225

CURRENT APPLICATION NUMBER: US/09/919,497

CURRENT FILING DATE: 2001-07-31

PRIOR APPLICATION NUMBER: US 60/221,735

PRIOR APPLICATION NUMBER: US 60/221,735

NUMBER OF SEQ ID NOS: 100

SOFTWARE: PATENTIN US FAILURED DATE: 2000-07-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                             Sequence 28, Application US/09391104

Patent No. 6399371

GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Magnuson, Scott R.
APPLICANTION: OF USING SAME
FILE OF INVENTION: OF USING SAME
FILE REFERENCE: 6073.US.P1

CURRENT APPLICATION NUMBER: US/09/391,104

CURRENT APPLICATION NUMBER: US (08/814,394

FRIOR APPLICATION NUMBER: US (08/814,394

FRIOR APPLICANTON NUMBER: US (08/814,394

FRIOR PILING DATE: 1997-03-11

NUMBER OF SEQ ID NOS: 35

ACCTUMENT FRIENCE.
ACCTUMENT FRANCE.
ACCTUMENT FRANCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 87.1%; Score 27; DB 4; Length 582; Best Local Similarity 100.0%; Pred. No. 8.2e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 27; DB 3; Length 582;
Pred. No. 8.2e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       87.1.,
100.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 33
US-09-689-730-1
'Sequence 1, Application US/09689730
'Patent No. 6825024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
CORGANISM: Homo sapiens
US-09-391-104-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CRGANISM: Homo sapiens
US-09-919-497-84
                                                              378 KFVFF 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             378 KFVFF 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 378 KFVFF 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 28
LENGTH: 582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
           ઠે
                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           임
                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/09521220
Patent No. 6399348
GENERAL INFORMATION:
APPLICANT: WILL, Horst
HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
METALLOPROTEASES, THEIR PRODUCTION AND USE
                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 582;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 87.1%; Score 27; DB 3; Length 582; Best Local Similarity 100.0%; Pred. No. 8.2e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                       DB 3; Le
8.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                               87.1%; bcc...
100.0%; Pred. No. c...
... 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGIGTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/704,711
FILING DATE: «Unknown»
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-0CT-1994
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-OCT-1994
17-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 582 amino acida
TYPE: amino acid
STRANDEDNESS: single
; SEQUENCE CHARACTERISTICS:
; LENGTH: 582 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-211-704A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 904136
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                        378 KFVFF 382
                                                                                                                                                                                                                                                                                                                                                  1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-521-220-2
                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                  ઠે
```

5

```
||:||
48 KFIFF 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                44 KFIFF 48
                                                                           16 FVFFA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KFVFF 5
                                       2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 37
US-09-270-767-60733
                                                                                                                                            RESULT 36
US-09-583-110-4885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                            δ
                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3/091, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 37091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 52308, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT FILING NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 52308
LENGTH: 45
                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
APPLICANT: SEIKI, Motoharu
APPLICANT: SATO, Hiroshi
APPLICANT: SATO, Hiroshi
APPLICANT: SHINAGAMA, AKira
TITLE CANT: SHINAGAMA, AKIRA
TITLE OF INVENTION: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR
FILE REFERENCE: 55-290P
CURRENT APPLICATION NUMBER: US/09/689,730
CURRENT FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: US/08/448,489
PRIOR FILING DATE: 1995-06-07
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1: 582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                                                                                87.1%; Score 27; DB 4; Length 582;
100.0%; Pred. No. 8.2e+02;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity 100.0%; Pred. No. 1.3e+02; 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        83.9%; Score 26; DB 4; Length 45; 100.0%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , ORGANISM: Drosophila melanogaster
US-09-270-767-52308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                    TYPE: PRT
CORGANISM: Homo sapiens
US-09-689-730-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     378 KFVFF 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 FVFFA 20
                                                                                                                                                                                                                                                                                                                                                                                                                               1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 35
US-09-270-767-52308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-270-767-37091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    В
                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
```

```
GENERAL INFORMATION:

APPLICANT: LYND DOUGETE-Stamm et al.

APPLICANT: LYND DOUGETE-Stamm et al.

TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
TITLE OF INVENTION: PATHOD-07A

TITLE OF INVENTION: PATHOD-07A

CURRENT APPLICATION NUMBER: US/09/583,110

CURRENT FILING DATE: 2000-05-26

CURRENT FILING DATE: 1998-06-30

PRIOR PEDICATION NUMBER: US 60/085,131

PRIOR APPLICATION NUMBER: US 60/085,131

PRIOR APPLICATION NUMBER: US 60/051,553

PRIOR APPLICATION NUMBER: US 60/051,553

PRIOR FILING DATE: 1997-07-02

PRIOR FILING DATE: 1997-07-02

PRIOR FILING DATE: 1997-07-02

SEQ ID NOS: 5322

LENGTH: 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Homburger et al.
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TITLE OF INVENTION: Nucleic 2326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 60733
LENGTH: 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
0
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        83.9%; Score 26; DB 4; Length 84; illarity 80.0%; Pred. No. 2.38+02; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 26; DB 4; Length 61;
Pred. No. 1.7e+02;
1; Mismatches 0; Indels
  Indels
    ;
    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 60733, Application US/09270767 Patent No. 6703491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 38
US-09-621-976-6739
; Sequence 6739, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
                                                                                                                                                                                                              sequence 4885, Application US/09583110; Patent No. 6699703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Streptococcus pneumoniae US-09-583-110-4885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Drosophila melanogaster US-09-270-767-60733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      83.9%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 80.0.
5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
       Matches
```

```
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids US-09-205-258-303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 40

US-09-627-376-17

Sequence 17, Application US/09627376

Patent No. 6342385

GENERAL INFORMATION:

APPLICANT: Q!, Fengata

TILLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS

FILE REFERENCE: UAB-17402/22

CURRENT APPLICATION NUMBER: US/09/627,376

CURRENT PILING DATE: 201-05-30

NUMBER OF SEQ ID NOS: 17

SOFTWARE: PATENTIN version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 26; DB 4; Length 111;
Pred. No. 2.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
EARLIER FILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,970
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,373
EARLIER APPLICATION NUMBER: 60/048,875
EARLIER FILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,917
EARLIER PILING DATE: 1997-06-06
EARLIER PILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,898
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,898
EARLIER PILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EARLIER APPLICATION NUMBER: 60/048,963
EARLIER FILING DATE: 1997-06-06
EARLIER PELING DATE: 1997-06-06
EARLIER PELING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,878
EARLIER APPLICATION NUMBER: 60/070,923
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER APPLICATION NUMBER: 60/094,657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        83.9%; Sco.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       79 FVFFA 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: SITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
   APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REPERRICE: GENSET. 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
CURRENT FILING DATE: 2000-07-21
SOFTWARE: Patent.pm
SEQ ID NO 6739
LENGTH: 104
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Young et al.
TITLE OF INVENTION: 207 Human Secreted Proteins
FILE REPERENCE: PZ007P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NT FILING DATE: 1998-12-04
ER APPLICATION NUMBER: PCT/US98/11422
ER FILING DATE: 1998-06-04
ER PILING DATE: 1998-06-04
ER PILING DATE: 1997-06-06
ER PILING DATE: 1997-06-06
ER APPLICATION NUMBER: 60/048,881
ER FILING DATE: 1997-06-06
ER APPLICATION NUMBER: 60/048,880
ER PILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  83.9%; Score 26; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/205,258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R APPLICATION NUMBER: 60/048, 895
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 894
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 894
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 971
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 982
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 893
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 893
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 993
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 901
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 901
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 901
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 901
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 901
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 915
R R RILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048, 915
R R RILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/048,876
FILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 303, Application US/09205258
Patent No. 6525174
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                , ORGANISM: Homo sapiens
US-09-621-976-6739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31 FVFFA 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-205-258-303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EARLIER DEARLIER DEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EARLIER
EARLIER
EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EARLIER
EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EARLIER
EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EARLIER
EARLIER
EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SARLIER
```

Gaps

```
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 42
US-09-270-767-45241

Sequence 45241, Application US/09270767

Sequence 45241, Application US/09270767

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TILLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;

TILLE OF INVENT APPLICATION Nucleic acids and proteins of Drosophila melanogaster;

CURRENT PILLIGATION NUMBER: US/09/270,767

CURRENT PILLIG DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                             Sequence 17, Application US/10047676B

Sequence 17, Application US/10047676B

GENERAL INCOMMATION:

APPLICANT: Q1, Fengxia

APPLICANT: Caufield, Page W.

APPLICANT: Chen, Ping

TITLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS

FILE REFERENCE: UAB-17403/22

CURRENT FILING DATE: 2002-01-14

PRIOR APPLICATION NUMBER: US 09/627,376

PRIOR PLING DATE: 2000-07-28

NUMBER OF SEQ ID NOS: 19

SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           83.9%; Score 26; DB 4; Length 156;
80.0%; Pred. No. 3.9e+02;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match

83.9%; Score 26; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                           Query Match 83.9%; Score 26; DB 3; Length 118; Best Local Similarity 100.0%; Pred. No. 3.1e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Drosophila melanogaster
US-09-270-767-45241
; SEQ ID NO 17
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-09-627-376-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Streptococcus mutans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||:||
120 KFIFF 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           39 FVFFA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KFVFF 5
                                                                                                                                                                                                                                                        39 FVFFA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 FVFFA 6
                                                                                                                                                                                                                  2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 45241
LENGTH: 156
                                                                                                                                                                                                                                                                                                                                               US-10-047-676B-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-047-676B-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 17
LENGTH: 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                          В
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 45
US-09-251-645-4

; Sequence 4, Application US/09251645
; Sequence 4, Application US/09251645
; Patent No. 6281413
; GENERAL INFORMATION:
; APPLICANT: Kramer, Vance C.
; APPLICANT: Anderson, Arne R.
; APPLICANT: Hart, Hope
; APPLICANT: Hart, Hope
; APPLICANT: Harth, Gregory W.
; APPLICANT: Dunn, Martha
; APPLICANT: Chen, Jeng S.
; TITLE OF INVENTION: NOVEL INSECTICIDAL TOXINS FROM PHOTORHABDUS LUMINESCENS
; TITLE OF INVENTION: AND NUCLEIC ACID SEQUENCES CODING THEREFOR
; FILE REFERENCE: CGC1963/A
                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FITLE REPERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 50607
LENGTH: 177
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 177;
                                                                                                                                                                                                                                                                                                                                                                                  Length 177;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   83.9%; Score 26; DB 4; Le
100.0%; Pred. No. 4.4e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-50607
                                                                                                                                                                                                                                                                                                                           CTHER INFORMATION: Xaa means any amino acid
US-09-270-767-35390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 50667, Application US/09270767; Patent No. 6703491; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                        TYPE: PRT ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 10v...
...a 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          122 FVFFA 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           122 FVFFA 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-270-767-50607
```

```
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .0
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 33463, Application US/09270767

Batent No. 6703491

GRNERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT FILING NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SSCPTWARE: Patentin Ver. 2.0

SEQ ID NO 33463
LENGTH: 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-270-767-48680
Sequence 46680, Application US/09270767
Sequence 46680, Application US/09270767
Sequence 6703491
GENERAL INFORMATION:
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patent IN Ver. 2.0
SEQ ID NO 48680
LENGTH: 201
                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               83.9%; Score 26; DB 4; Length 201; 100.0%; Pred. No. 4.9e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                              83.9%; Score 26; DB 3; Length 186;
66.7%; Pred. No. 4.6e+02;
ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 83.9%; Score 26; DB 4; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels
CURRENT APPLICATION NUMBER: US/09/251,645
CURRENT FILING DATE: 1999-02-17
NUMBER OF SEQ ID NOS: 22
SEGTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 186
                                                                                                             ; TYPE: PRT
; ORGANISM: Photorhabdus luminescens
US-09-251-645-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-48680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Drosophila melanogaster
                                                                                                                                                                                            Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 83.9
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                   :|:|||
134 QPIFFA 139
                                                                                                                                                                                                                                                                           1 KFVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  80 FVFFA 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       80 FVFFA 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 FVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 FVFFA-6
                                                                                                                                                                                                                                                                                                                                                                      RESULT 46
US-09-270-767-33463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-270-767-33463
                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                               엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

```
Sequence 27128, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: WHERE 10799-02-12
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR PEDLICATION NUMBER: US 60/074,725
PRIOR PEDLICATION NUMBER: US 60/074,096
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
Sequence 38186, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NOS: 62517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-270-767-53403

Sequence 53403, Application US/09270767

Sequence 5103491

Sequence 5103491

Sequence 5103491

Sequence 5103491

Sebric No. 6703491

TITLE OF INVENTION:

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

SOFTWARE: PATENTIN Ver. 2.0

SEQ ID NO 53403

LENGTH: 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               83.9%; Score 26; DB 4; Length 249;
80.0%; Pred. No. 6e+02;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 26; DB 4; Length 249;
Pred. No. 6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                        ) OTHER INFORMATION: Xaa means any amino acid US-09-270-767-38186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTHER INFORMATION: Xaa means any amino acid US-09-270-767-53403
                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                83.9%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ||:||
196 KFIFF 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ||:||
196 KFIFF 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KFVFF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-248-796A-27128
```

```
0; Gaps
                                                                                                    Query Match
Best Local Similarity 80.0%; Pred. No. 6e+02;
Matches 4; Conservative 1; Mismatches 0; Indels
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 27128
; LENGTH: 249
; TYPE: PT
; ORGANISM: Candida albicans
US-09-248-796A-27128
                                                                                                                                                                1 KFVFF 5
||:||
108 KFIFF 112
                                                                                                                                                                   ò
                                                                                                                                                                                              g
```

°;

Search completed: March 9, 2005, 06:43:00 Job time: 17.0274 secs

Sequence 3676, Ap Sequence 4521, Ap Sequence 13627, A Sequence 6455, Ap Sequence 6455, Ap Sequence 64, Appl Sequence 7442, Appl Sequence 5712, Appl Sequence 5712, Appl Sequence 764, Appl Sequence 755, Appl Sequence 755, Appl Sequence 754, Appl Sequence 754, Appl Sequence 5, Appli Sequence 13, Appl Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. March 9, 2005, 06:11:36; Search time 16.0274 Seconds (without alignments) 27.946 Million cell updates/sec Sequence 13, Sequence 3676 Sequence 4521 Description 513545 Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:* GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd. US-09-583-110-3676 US-09-611-976-4521 US-09-489-039A-13627 US-09-218-76-6455 US-09-621-976-6455 US-09-107-522A-4668 US-09-134-001C-4114 US-09-134-001C-4114 US-09-134-001C-7114 US-09-134-001C-712 US-09-134-00C-5712 US-09-506-268-62 US-09-506-2968-75 US-09-540-236-2853 US-09-540-236-2853 US-09-540-236-2853 US-08-56-268-74 US-09-341-505-2 US-08-36-268-75 Total number of hits satisfying chosen parameters: 513545 seqs, 74649064 residues SUMMARIES Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries - protein search, using sw model BLOSUM62 Gapop 10.0 , Gapext 0.5 length: 0 length: 2000000000 US-10-009-122-5 29 ВВ 73 85 85 92 92 63 63 93 94 94 94 94 94 94 94 94 94 94 Length 1 AFFVLK 6 Query Match seq seq Scoring table: Perfect score: Minimum DB Maximum DB OM protein Sequence: Searched: Database Run on: Result No.

4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0
22277, A 77494, A 77477, A 77477, A 8638, A 8638, A 8638, A 8638, A 731, A 866, A 731, A 8672, A 8673,	арв
MALIBURA A BROKE HARBOURE A LIKE A A A MALA A A MARA A MARA A A MARA A A MARA A MARA A A MARA A A MARA A A MARA A MA	Ö ,
	°° 0
a t 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ength 6 Indels
740707 8 880 118 82 24 80 1 pj	, r 05; 0);
i 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	; DB 4 . 4.1e+ ches
2 4 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	e 29 · No smat
And Mand Mars 1971, 877, 171, 877	; Scor ; Pred 0; Mi
O in Figure 6 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	6.6
102 1102 1111 1111 1188 1188 1188 1188 1	100 100 vative
D NO NGE TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL THE TOTAL T	arity Conser LK 6
25 86.2 25 86.2 26 86.2 27 86.2 28	mil O
10.17 10.17	ੂ ਬੂੰ ਜ
28 25 86.2 39 25 86.2 31 25 86.2 31 25 86.2 32 25 86.2 33 25 86.2 34 25 86.2 36 25 86.2 37 25 86.2 38 25 86.2 39 25 86.2 39 25 86.2 40 25 86.2 41 25 86.2 44 25 86.2 44 25 86.2 44 25 86.2 44 25 86.2 44 25 86.2 44 25 86.2 45 25 86.2 46 25 86.2 47 25 86.2 48 25 86.2 48 25 86.2 49 25 86.2 51 25 86.2 52 86.2 53 25 86.2 54 25 86.2 55 86.2 56 25 86.2 57 25 86.2 58 25 86.2 58 25 86.2 59 25 86.2 59 25 86.2 51 25 86.2 52 86.2 54 25 86.2 55 86.2 56 25 86.2 57 25 86.2 58 62.2 58 62.2 59 86.2 59 86.2 59 86.2 50 86.2 51 125 86.2 52 86.2 53 86.2 54 25 86.2 55 86.2 56 25 86.2 56 25 86.2 57 25 86.2 58 62.2 5	Query Ma Best Loc Matches
S S S S S S S S S S S S S S S S S S S	288

AFFVLK |||||| AFFVLK

g

Sequence Sequence

US-09-248-796A-24335 US-09-134-000C-6793 -09-673-395A-467

```
Sequence 26952, Application US/09248796A

Sequence 26952, Application US/09248796A

Sequence 26952, Application US/09248796A

GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN.
TITLE OF INVENTION: NUMBER: US/09/248,796A

TITLE OF INVENTION: POR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196,132

CURRENT APPLICATION NUMBER: US 60/074,725

PRIOR PILING DATE: 1998-02-13

PRIOR FILING DATE: 1998-02-13

PRIOR APPLICATION NUMBER: US 60/096,409

PRIOR FILING DATE: 1998-08-13

NUMBER OF SEQ ID NOS: 28208

SEQ ID NO 26952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 13627, Application US/09489039A
Sequence 13627, Application US/09489039A
Patent NO. 6610836
GENERAL INFORMATION:
Patent NO. 6610836
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 13627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 83.3%; Pred. No. 76;
Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96.6%; Score 28; DB 4; Length 392;
                                                                                                                                                                                                                                                                                                                                                                                                       Score 28; DB 4; Length 85;
Pred. No. 62;
1; Mismatches 0; Indels
TITLE OF INVENTION: ESTS and Encoded Human Proteins. FILE REFERENCE: GENSET. 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SOFTWARE: Patent.pm
LENGTH: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT;
CRGANISM: Klebsiella pneumoniae
US-09-489-039A-13627
                                                                                                                                                                                                                                                                                                                                                                                                                 96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , ORGANISM: Candida albicans
US-09-248-796A-26952
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 96.6
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                            TYPE: PRT;
ORGANISM: Homo sapiens
US-09-621-976-4521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |||:||
19 AFFILK 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |||:||
25 AFFILK 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 6
US-09-248-796A-26952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 5
US-09-489-039A-13627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
DATUBLE OF INVENTION:
NUCLEIC Acid and Amino Acid Sequences Relating to Streptococcus
TITLE OF INVENTION:
FILE OF I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ÷
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%; Pred. No. 34; Length 73;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                   US=107**4'*4'0=1.3

Sequence 13. Application US/09747408

Fatent No. 6670399

GENERAL INFORMATION:

APPLICANT: Gervais, Francine

TITLE OF INVENTION: Compounds And Methods For Modulating

TITLE OF INVENTION: Cerebral Amyloid Angiopathy

FILE REFERENCE: NBI-088

CURRENT FAPLICATION NUMBER: US/09/747,408

CURRENT FILING DATE: 1999-12-23

KRIOR APPLICATION NUMBER: 60/171,877

PRIOR APPLICATION NUMBER: 60/171,877

PRIOR FILING DATE: 1999-12-23

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 4; 1
100.0%; Pred. No. 4.1e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-621-976-4521
; Sequence 4521, Application US/09621976
; Patent No. 6639063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 3
US-09-581-110-3676 . Squence 3676, Application US/09583110
; Patent No. 6699703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INPORMATION:
APPLICANT: Jounse Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Streptococcus pneumoniae US-09-583-110-3676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ||||||
68 AFFVLK 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 AFFVLK 6
                                                                         RESULT 2
US-09-747-408-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-747-408-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

; 0

```
Sequence 64, Application US/08506296B
Patent No. 6313265
GENERAL INFORMATION:
APPLICANT: Phillips, Greg
APPLICANT: Crossin, Kathryn L.
TITLE OF INVENTION: NEURITE OUTGROWTH-PROMOTING POLYPEPTIDES
TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE
NUMBER OF SEQUENCES: 77
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 89.7%; Score 26; DB 3; Length 206; Best Local Similarity 83.3%; Pred. No. 3.4e+02; Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                               Score 26; DB 4; Lengtn es,
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: The Scripps Research Institute
10550 No. 6313265th Torrey Pines Road, TPC-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/506,296B
FILING DATE: 24-JUL-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                                                                                                           NAME/KEY: misc feature
LOCATION: (B) LŌCATION 1...63
SEQUENCE DESCRIPTION: SEQ ID NO: 4668:
                                                                                                                                                                      ORGANISM: Enterococcus faecium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Fitting Thomas
REGISTRATION UNDRER: 34,163
REFERENCE/DOCKET NUMBER: TSRI
TELECOMMUNICATION INFORMATION:
TELEFAM: (619) 554-2937
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
  INFORMATION FOR SEQ ID NO: 4668:
SEQUENCE CHARACTERISTICS:
LENGTH: 63 amino acids
                                                                                                                                                                                                                                                                                                                  89.7%;
                                                                                  TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : 206 amino acids
amino acid
                                                                TYPE: amino acid
                                                                                                                                                                                                                                                                                               MOLECULE TYPE: protein FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 10550 NO. 6
CITY: La Jolla
STATE: California
COUNTRY: U.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                         53 SFFVLK 58
                                                                                                                                                                                                                                                                                                                                                                                                     1 AFFVLK 6
                                                                                                                                                                                                                                                                         US-09-107-532A-4668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-506-296B-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-506-296B-64
                                                                                                                                                                                         FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S-09-10/-552A-4000
Sequence 4668, Application US/09107532A
Setent No. 6583275
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        89.7%; Score 26; DB 4; Length 58;
83.3%; Pred. No. 1.18+02;
iive 1; Mismatches 0; Indels
                     Indels
                                                                                                                                                                                                Sequence 6455. Application US/09621976

Patent No. 663963

GENERAL INFORMATION:
APPLICANT: Undert, S.
APPLICANT: Glordano, J.Y.
TITLE OF INFORTION: SCTS and Encoded Human Proteins.
FILE REFERENCE: GENSET. 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000.07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 6455
LENGTH: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
  Pred. No. 2.3e+02;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
COPERATING SYSTEM: «Unknown>
SOFTWARR: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
FILING DATE: 14 May 1998
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/085,598
FILING DATE: JUBY 2, 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: Massachusetts
COUNTRY: USA
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 83.3
Matches 5; Conservative
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                        |||:||
360 AFFILK 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 47 AYFVLK 52
                                                            1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-107-532A-4668
                                                                                                                                                                                     US-09-621-976-6455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-621-976-6455
                                                            ઠે
                                                                                                   셤
```

ŝ 셤

```
APPLICANT:
APPLICATION:
APPLICATION:
APPLICATION
APPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Phillips, Greg
APPLICANT: Cunningham, Bruce A.
APPLICANT: Crossin, Kathryn L.
TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE
NUMBER OF SEQUENCES: 77
RORRESPONDENCE ADDRESS:
ADDRESSEE: The Scripps Research Institute
STREET: 10550 No. 6313265th Torrey Pines Road, TPC-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ó,
                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                         ..
0
                                                                                                                          Length 307;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 393;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 10550 No. 6313265th Torrey Pines Road, TPC
CITY: La Jolla
STATE: California
CUNTRY: U.S.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/506,296B
FILING DATE: 24-JUL-1995
                                                                                                                                                        . 4.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 26; DB 4;
Pred. No. 6e+02;
2; Mismatches
                                                                                                                       Score 26; DB 3;
Pred. No. 4.8e+02
                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          34,163
RR: TSRI 488.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7842, Application US/09489039A Patent No. 6610836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 62, Application US/08506296B
Patent No. 6313265
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Klebsiella pneumoniae
                                                                                                                       89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       89.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,1
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 60.,
                                                                                                                              Query Match
Best Local Similarity 83.3
Matches 5; Conservative
protein
internal
                                                                                                                                                                                                                                                                                                                    257 SFFVLK 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | | | | | : : |
16 AFFIIK 21
                                                                                                                                                                                                                                                        1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AFFVLK 6
; MOLECULE TYPE:
; FRAGMENT TYPE:
US-08-506-296B-63
                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 12
US-09-489-039A-7842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-489-039A-7842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-506-296B-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 13
                                                                                                                                                                                                                                                                                                                 엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                엄
                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: UNCIELTE ALD AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: UNCIELTE ALD AMINO STATES
FILE REFERENCE: GTC-007
CURRENT FILING DATE: 1998-08-13
PRIOR PILING DATE: 1997-11-08
PRIOR FILING DATE: 1997-11-08
PRIOR FILING DATE: 1997-08-14
NUMBER: OF SEQ ID NOS: 5674
LENGTH: 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:

APPLICANT: Phillips, Greg

APPLICANT: Cunningham, Bruce A.

APPLICANT: Cunningham, Bruce A.

APPLICANT: Crossin, Kathryn L.

TITLE OF INVENTION: NEURITE OUTGROWTH-PROMOTING POLYPEPTIDES

TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE

NUMBER OF SEQUENCES: 77

CORRESPONDENCE ADDRESS:

ADDRESSEE: The Scripps Research Institute

STRRET: 10550 No. 6313265th Torrey Pines Road, TPC-8

CITY: La Jolla

STATE: California

COUNTRY: U.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 89.7%; Score 26; DB 3; Length 243; 66.7%; Pred. No. 3.9e+02; ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IMP PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/506,296B

FILING DATE: 24-JUL-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Fitting, Thomas

REGISTRATION NUMBER: 34.163

REFERENCE/DOCKET NUMBER: TSRI 408.0

TELEPHONE: (619) 554-2937
                                                                                            RESULT 10
18-09-134-001C-4114
7 Sequence 4114, Application US/09134001C
7 Patent No. 6380370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT

, ORGANISM: Staphylococcus epidermidis

US-09-134-001C-4114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 63, Application US/08506296B
Patent No. 6313265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (619) 554-6312 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 307 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              127 AFFIIK 132
156 SFFVLK 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 11
US-08-506-296B-63
   엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

```
Sequence 76, Application US/08506296B
Patent No. 6313265
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cunningham, Bruce A.
APPLICANT: Crossin, Kathryn L.
TITLE OF INVENTION: NEURITE OUTGROWTH-PROMOTING POLYPEPTIDES
TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE
NUMBER OF SEQUENCES: 77
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 17
US-08-506-296B-75
Sequence 75, Application US/08506296B
Fatent No. 6312565
GENERAL INFORMATION:
APPLICANT: Phillips, Greg
APPLICANT: Cunningham, Bruce A.
APPLICANT: TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE
NUMBER OF SEQUENCES: 77
CORRESPONDENCE ADDRESS:
ADDRESSEE: The Scripps Research Institute
STREET: 10550 No. 6313265th Torrey Pines Road, TPC-8
CITY: La Jolla
STREET: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 26; DB 3; Length 443;
Pred. No. 6.6e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: The Scripps Research Institute
STREET: 10550 No. 6313265th Torrey Pines Road, TPC-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: 0.0.

ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: Elb FC compatible
COMPUTER: Elb FC compatible
COMPUTER: Elb FC compatible
COMPUTER: Elb FC compatible
COMPUTER: DatentIn Release #1.0, Version #1.25
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/506,296B
FILING DATE: 24-JUL-1995
CLASSIFICATION INFORMATION:
NAME: Fitting, Thomas
REPERSORICE/DOCKET NUMBER: TSRI 488.0
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFHONE: (619) 554-6312
INFORMATION FOR SEQ ID NO: 76:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : 443 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: La Jolla
STATE: California
COUNTRY: U.S.
                                322 AFYVLK 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :|||||
382 SFFVLK 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 5; Conserv
       1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                     RESULT 16
US-08-506-296B-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-506-296B-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
       ઠ
                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2853. Application US/09540236

Patent No. 6673910
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 2709-2005-001
CURRENT APPLICATION NUMBER: US/09/540,236
CURRENT FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 3840
SEQ ID NO 2853
LENGTH: 434
                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: LYTH DOUGETEE-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: ENTERCCOCCUUS FABCALIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1998-08-13
PRIOR PILING DATE: 1997-08-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ,
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
                                                                                                                                                                                                                                                                    89.7%; Score 26; DB 3; Length 394;
83.3%; Pred. No. 6e+02;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       89.7%; Score 26; DB 4; Length 434; 83.3%; Pred. No. 6.5e+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        89.7%; Score 26; DB 4; Length 399;
llarity 83.3%; Pred. No. 6e+02;
Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5712, Application US/09134000C
Patent No. 6617156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5712
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 6812
SOFTWARE: Patentin version 3.1
SEQ ID NO 5712
LENGTH: 399
                TELEPHONE: (619) 554-29:
TELEFAX: (619) 554-6312
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
                                                                                                           LENGTH: 394 amino acids TYPE: amino acid
                                                                                                                                                                           MOLECULE TYPE: protein
FRAGMENT TYPE: C-terminal
                                                                                                                                                                                                                                                                                                                   5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT; ORGANISM: M.catarrhalis
US-09-540-236-2853
                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                         :|||||
209 SFFVLK 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              198 AFFLLK 203
                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 5, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-134-000C-5712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-540-236-2853
                                                                                                                                                                                                                          US-08-506-296B-62
                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
```

```
ö
                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FERNETAL INFORMATION:
APPLICANT: Jackson, Stephen P
APPLICANT: Catichlow, Sugan
APPLICANT: Catichlow, Sugan
APPLICANT: Catichlow, Sugan
TITLE OF INVENTION: Assays, agents, therapy and diagnosis relating to
TITLE OF INVENTION: Modulation of cellular DNA repair activity
FILE REFERENCE: MEMBER: 05
CURRENT APPLICATION NUMBER: US/09/341,505
CURRENT FILING DATE: 1999-07-12
EARLIER FILING DATE: 1999-07-13
EARLIER FILING DATE: 1999-01-13
EARLIER FILING DATE: 1997-01-13
EARLIER FILING DATE: 1997-06-20
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 844;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89.7%; Score 26; DB 4; Length 84*
83.3%; Pred. No. 1.2e+03;
Pred. No. 1ndel8
                                                                                                                                       Length 632;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-461-502B-2
US-08-461-502B-2
Sequence 2. Application US/08461562B
Patent No. 645574
GENERAL INFORMATION:
APPLICANT: WEI, YING-FEI
APPLICANT: WEI, YING-FEI
APPLICANT: HASELTINE, WILLIAM H
TITLE OF INVENTION: HUMAN DIA LIGASE IV
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEW WEST AVE
CITY: ROCKVILLE
STATE: MD
COUNTRY: US
COUNTRY: US
COUNTRY: US
COMPUTER REAABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: US SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,562B
                                                                                                                                         Score 26; DB 3;
Pred. No. 9e+02;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application US/09341505
Patent No. 6753158
                                                                                                                                               Query Match 89.7%;
Best Local Similarity 83.3%;
Matches 5; Conservative
                                             MOLECULE TYPE: protein
FRAGMENT TYPE: C-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
CRGANISM: Homo sapiens
US-09-341-505-2
                                                                                                                                                                                                                                                                                         : | | | | | 435 SFFVLK 440
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           62 AYFVLK 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 AFFVLK 6
                                                                                                                                                                                                                                                      1 AFFVLK 6
                                                                                                    US-08-506-296B-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 20
US-08-461-562B-2
                                                                                                                                                                                                                                                                                                                                                                                                                US-09-341-505-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 18

US-08-506-296B-74

US-08-506-296B-74

SEQUENCE 74, Application US/08506296B

SECONT 213265

GENERAL INFORMATION:
APPLICANT: CUMINGHAM, Bruce A.
APPLICANT: CLOSSIN, KALITYD L.
TITLE OF INVENTION: NEURITE OUTGROWTH-PROMOTING POLYPEPTIDES
TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE
NUMBER OF SEQUENCES: 77

CORRESPONDENCE ADDRESS:
ADDRESSEE: The Scrippe Research Institute
STREET: 10550 No. 6313265th Torrey Pines Road, TPC-8

COUNTRY: La Jolla

STATE: California

COUNTRY: U.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 26; DB 3; Length 545;
Pred. No. 7.9e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: 0.0.

ZIP: 92037

ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/506,296B
FILING DATE: 24-JUL-1995
CLASSIFICATION: 514
ATCASSIFICATION: 514
ATCASSIFICATION: DATA:
NAME: Fitting, Thomas
REFERENCE/DOCKET NUMBER: TSRI 488.0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 554-6312
TELEPHONE: (619) 554-6312

TELEPHONE: (619) 554-6312

TELEPHONE: (619) 554-6312

TELEPHONE: GARACTERISTICS:
INFORMATION FOR SEQ ID NO: 74:
SEQUENCE CHARACTERISTICS:
INROMATION ACIDS
INROMATION FOR SEQ ID NO: 74:
INROMATION FOR SEQ ID NO: 74:
                                                                         COMPUTER REALBLE FURDED disk
COMPUTER: FILOPOPY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/506,296B
FILING DATE: 24-Jul.1995
CLASSIFICATION: 514
ATTONREY/AGBRT INPORMATION:
NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,163
REGISTRATION NUMBER: TSRI 408.0
TELEPHONE: (619) 554-2937
TELEPHONE: (619) 554-6312
INPORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: S45 amino acids
TYPE: Amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: protein
FRAGMENT TYPE: internal
                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :|||||
483 SFFVLK 488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-506-296B-75
             COUNTRY:
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                              Sequence 20, Application US/07670296
Patent No. 5229364
GENERAL INFORMATION:
APPLICANT: Chiodi, Francesca
TITLE OF INVENTION: POLYPEPTIDES DERIVED FROM THE HUMAN
TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS ENDONUCLEASE PROTEIN
NUMBER OF SEQUENCES: 26
COMMESSPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Shore, Sutker & Milnamow
STREET: 11300 Sorrento Valley Road, Suite 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17, Application US/08093781
Facent No. 5401628
GENERAL INFORMATION:
APPLICATT: Chicago
TITLE OF INVENTION: IMMUNOBERICIENCY VIRUS ENDONUCLEASE PROTEIN
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Shore & Milnamow, Ltd.
STREET: 180 No. 5401628th Stetson, Suite 4700
      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       86.2%; Score 25; DB 1; Length 20; 66.7%; Pred. No. 73;
    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTR: ...
ZIP: 91121
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SETEM: PC-DOS/MS-DOS
SOFTWARE: PATEMIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/670,296
TITING DATE: 19910607
    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Bingham, Douglas A.
REGISTRATION NUMBER: 32,457
REFERENCE/DOCKET NUMBER: BCI-
TELECOMMUNICATION INFORMATION:
TELEBHORE: 619-546-1555
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
      ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 20 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 66.7
Matches 4; Conservative
    5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 19910607
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                    :|||||
1083 SFFVLK 1088
                                                                                                                                                                                                                                                                                                                                                                                               San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:|:||
7 AYFILK 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AFFVLK 6
                                                                                                                                            RESULT 22
US-07-670-296-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-07-670-296-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 23
US-08-093-781-17
                                                                                                                                                                                                                                                                                                                                                                                                                  STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY:
    Matches
                                                                                 셤
                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28, Application US/08506296B

Retent No. 6313265

GENERAL INFORMATION:
APPLICANT: Phillips, Greg
APPLICANT: Crossin, Bruce A.
APPLICANT: Crossin, Kathyru Bruce A.
APPLICANT: Crossin, Kathyru C.
TITLE OF INVENTION: NEURITE OUTCROWTH-PROMOTING POLYPEPTIDES
TITLE OF INVENTION: CONTAINING PIBRONECTIN TYPE III REPEATS AND METHODS OF USE NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 26; DB 3; Length 1268; Pred. No. 1.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                            Score 26; DB 4; Length 911; Pred. No. 1.2e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: The Scripps Research Institute
10550 No. 6313265th Torrey Pines Road, TPC-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/506,296B
FILING DATE: 24-UUL-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Fitting, Thomas
REFERENCE/DOCKET 134,163
REFERENCE/DOCKET 134,163
REFERENCE/DOCKET 1019
TELEPHONE: (619) 554-2937
TELEPAX: (619) 554-2937
TELEFAX: (619) 554-6312
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
TENTORMATION COR SEQ ID NO: 28:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                               PRICE APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12922
FILING DATE: 08-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: A. ANDERS BROOKES
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF142P1
TELECOMUNICATION INFORMATION:
TELECHMUNICATION 100-309-8504
TELEFAX: 301-309-8439
                                                                                                                                                                                                                                                                                                                                                                                                            83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89.7%;
                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
05-JUN-1995
                                                                                                                                                                                                                                                                                  : 911 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / TOPOLOGY: linear
// MOLECULE TYPE: protein
US-08-506-296B-28
                                                                                                                                                                                                                                                                                                                                            , MOLECULE TYPE: protein
US-08-461-5628-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 10550 No. 6
CITY: La Jolla
STATE: California
COUNTRY: U.S.
                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:||||
129 AYFVLK 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 21
US-08-506-296B-28
                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                LENGTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
```

```
|:|:||
8 AYFILK 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13 FFVLK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "This peptide represents a repeating subunit of a homoblock polypeptide in which the number of subunits is limited to that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 24, Application US/07670296

Patent No. 5223364

GENERAL INFORMATION: Francesca
APPLICANT: Chiodi, Francesca
TITLE OF INVENTION: INMUNOBERICIENCY VIRUS ENDONUCLEASE PROTEIN
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSE: Dressler, Goldsmith, Shore, Sutker & Milnamow
STREET: 11300 Sorrento Valley Road, Suite 200
CITY: San Digo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              86.2%; Score 25; DB 1; Length 20; 66.7%; Pred. No. 73; ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: The PC compatible
COMPOTER: The PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/670,296
FILING DATE: 19910607
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
ATONNEY/AGENT INFORMATION:
         COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Flopped disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BEATHING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/093,781
FILING DATE: 19-JUL-1993
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Gameon, Edward P.
REGISTRATION NUMBER: 29,381
TELEFONMICATION INFORMATION:
TELEFAX: (312)616-5460
TELEFAX: (312)616-5460
TELEFAX: (312)616-5460
TELEFAX: (312)616-5460
TELEFAX: (312)616-5460
TELEFAX: (312)616-5460
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: Allocation acids
TYPE: Allocation acids
TYPE: Allocation acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BCI-0009P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Bingham, Douglas A. REGISTRATION NUMBER: 32,457 REFERENCE/DOCKET NUMBER: BCT TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein

RAME/KEY: Peptide

LOCATION: 1..20

CTHER INFORMATION: repe

OTHER INFORMATION: repe

US-08-093-781-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:|:||
7 AYFILK 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 24
US-07-670-296-24
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

```
US-09-248-796A-24335
US-09-248-796A-24335
Sequence 24335, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-673-395A-467

US-09-673-395A-467

Sequence 467, Application US/09673395A

Patent No. 6620923

Patent No. 6620923

APPLICANT: SPECHT, THOMAS

APPLICANT: PILANSKY, CHRISTIAN

APPLICANT: POSSNTHAL, ANDRE

TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE

CURRENT FILING DATE: 2000-10-17

NUMBER OF SEQ ID NOS: 637

SEQ ID NO 467

LENGTH: 41

FURTHER OF THE OF THE OFFICE ACID

SEQ ID NO 467

LENGTH: 41

FURTHER OF THE OFFICE ACID

SEQ ID NO 467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "Wherein "Xaa" at position

#22 corresponds to "2" in the specification, and is
a chain of from 1 to 20 amino acid residues
or a carboxy-terminal group."
                                                                                                                                                                                                                                                                              /note= "Wherein "Xaa" at position
#1 corresponds to "X" in the specification, and is
a chain of from 1 to 20 amino acid residues
or an amino-terminal group."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 25; DB 1; Length 22;
Pred. No. 80;
2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           86.2%; Score 25; DB 4; Le
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.7%;
Matches 4; Conservative
TELEPHONE: 619-546-1555
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                             TYPE: AMINO ACID
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
FRATURE:
NAME/KEY: Region
LOCATION: 1
OTHER INFORMATION: #1 c
OTHER INFORMATION: a ch
OTHER INFORMATION: a ch
OTHER INFORMATION: a ch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 86.2
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: Region
LOCATION: 22
COTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
COTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens US-09-673-395A-467
```

us-10-009-122-5.rai

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PAPLICANT: Lynn DOUGETTE-Stamm et al TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO TITLE OF INVENTION: ENTEROCCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS TILL REFERENCE: 032796-032.

CURRENT APPLICATION NUMBER: US 60/055,778

PRIOR PILING DATE: 1997-08-15

NUMBER OF SEQ ID NOS: 6812

SOFTWARE: Patentin version 3.1

SEQ ID NO 6793

LENGTH: 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-270-767-32277

US-09-270-767-32277

Sequence 32277, Application US/09270767

Fatent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION:

FILE REFERENCE: FILE Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270, 767

CURRENT FILING DATE: 1999-03-17

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 32277

LENGTH: 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                               Score 25; DB 4; Lengtn v., Pred. No. 1.98+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 25; DB 4; Length 80;
Pred. No. 2.4e+02;
2; Mismatches 0; Indels
; FILE REFERENCE: 107196.132
CURRENT APPLICATION WUMBER: US/09/248,796A
FULNENT FILING DATE: 1990-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-08-13
NUMBER: OF SEQ ID NOS: 28208
SEQ ID NO 24335
LENGTH: 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-32277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6793, Application US/09134000C Patent No. 6617156 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Enterococcus faecalis
                                                                                                                                                                                                                                                                                    86.2%; £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            86.2%;
                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-24335
                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : ||:||
46 SFFILK 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                    47 FFVLK 51
                                                                                                                                                                                                                                                                                                                                                                 2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-134-000C-6793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-134-000C-6793
                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
```

```
Sequence 7876, Application US/09543681A

Patent No. 6605709

GENERAL INFORMATION:
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

TITLE REFERENCE: 2709.1002-001

CURRENT APPLICATION NUMBER: US/09/543,681A

CURRENT PILLING DATE: 2000-04-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Homburger et al.
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 47494
LENGTH: 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;;
0
86.2%; Score 25; DB 4; Length 102;
100.0%; Pred. No. 30+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 111;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                86.2%; Score 25; DB 4; Le
100.0%; Pred. No. 3e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    86.2%; Score 25; DB 4; Le. 66.7%; Pred. No. 3.2e+02; ive 2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-47494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/128,706 PRIOR FILING DATE: 1999-04-09 NUMBER OF SEQ ID NOS: 8344 SEQ ID NO 7976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-270-767-57477, Application US/09270767; Sequence 57477, Application US/09270767; Patent No. 6703491; GENERAL INFORMATION: APPLICANT: Homburger et al.
                                                                                                                                                                                                               ; Sequence 47494, Application US/09270767; Patent No. 6703491
  86.25,
100.0%; Fit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Proteus mirabilis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                     Conservative
Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |||:|:
29 AFFILR 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AFFVLK 6
                                                                                                                    9 FFVLK 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FFVLK 13
                                                                            2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FFVLK 6
                                                                                                                                                                                              US-09-270-767-47494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-543-681A-7876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-543-681A-7876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 31
                                                                              ઠે
                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

```
|||:|:
112 AFFILR 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 35
US-09-107-532A-5068
                                                                                    RESULT 34
US-09-621-976-4638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          염
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 48177, Application US/09270767

Sequence 48177, Application US/09270767

Patent NO. 6703491

GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nuclear acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT PILING DATE: 1999-03-17

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 48177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-034
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILIG DATE: 199-03-17
NUMBER OF SEQ. ID NOS: 62517
SOFTWARE: PATENTIN VET. 2.0
  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094
CURRENT PEPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 53477
LENGTH: 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 158;
                                                                                                                                                                                                                                                                                            Score 25; DB 4; Length 117; Pred. No. 3.4e+02; 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      86.2%; Score 25; DB 4; Length 158
66.7%; Pred. No. 4.4e+02;
tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          86.2%; Score 25; DB 4; Length 158 66.7%; Pred. No. 4.4e+02; ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                    CTHER INFORMATION: Xaa means any amino acid US-09-270-767-57477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 32960, Application US/09270767
Patent No. 6703491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) ORGANISM: Drosophila melanogaster
US-09-270-767-48177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Drosophila melanogaster
US-09-270-767-32960
                                                                                                                                                                                                  ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                   86.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 66.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 66.
                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |||:|:
112 AFFILR 117
                                                                                                                                                                                                                                                                                                                                                                                                                            101 AFFALK 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                   1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 33
US-09-270-767-48177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 32
US-09-270-767-32960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 32960
LENGTH: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

1 AFFVLK 6

ò

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                    .
0
                                                                                                                                                                                                                                                                                                                                                             Length 166;
Sequence 4638, Application US/09621976
; Sequence 16386, Application US/09621976
; Patent No. 653063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Glordano, J.Y.
; APPLICANT: Glordano, J.Y.
; TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET: 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 4638
; LENGTH: 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE; GENOME THERAPEUTICS CORPORATION
                                                                                                                                                                                                                                                                                                                                                                   . 4.5e+02;
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:

RPELICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/ACBIT INFORMATION:

NAME: Ariniello, Pamela Deneke

REGISTRATION NUMBER: 40,489

REGISTRATION NUMBER: 40,489
                                                                                                                                                                                                                                                                                                                                                             Score 25; DB 4;
Pred, No. 4.5e+02
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: PC
OPERATING SYSTEM: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 100 Beaver Street
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 183 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 5068: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (781)893-8277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                 86.2%;
                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
US-09-621-976-4638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     153 SFFILK 158
                                                                                                                                                                                                                                                                                                                                                                                                                                              1 AFFVLK 6
```

us-10-009-122-5.rai

```
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-529-157-7
                                                                                                                                                                                                                           ŝ
                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Kato, Seishi
APPLICANT: Kato, Seishi
APPLICANT: Sexine, Shingo
FILE CANT: Sexine, Shingo
TITLE OF INVENTION: CDNA8 Coding For Human Proteins Having Transmembrane
TITLE OF INVENTION: Domains
FILE REPRENEUE: GIN-6711CPU
FILE REPRENEUE: GIN-6711CPU
CURRENT PELLING DATE: 2000-08-21
FRIOR APPLICATION NUMBER: DCT/JP98/04447
FRIOR FILING DATE: 1998-10-08
FRIOR FILING DATE: 1997-10-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application US/09529157

Patent No. 6500939

GENERAL INPORMATION:
APPLICANT: Kato, Seishi
APPLICANT: Sekine, Shingo
TITLE OF INVENTION: CDMains
TITLE OF INVENTION: Domains
FILE REFERENCE: GIN-6711CPUS
CURRENT FILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
PRIOR APPLICATION NUMBER: DF7/JD98/04447
PRIOR FILING DATE: 1998-10-02
PRIOR FILING DATE: 1997-10-08
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                Query Match

86.2%; Score 25; DB 4; Length 183;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 4; Length 185;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 25; DB 4;
Pred. No. 5e+02;
2; Mismatches
                                                                                                                                          ;
NAME/KEY: misc_feature
;
LOCATION: (B) LOCATION 1...183
;
SEQUENCE DESCRIPTION: SEQ ID NO: 5068:
US-09-107-532A-5068
                                                                                                                 ORGANISM: Enterococcus faecium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-529-157-7; Sequence 7, Application US/09529157; Patent No. 6500939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    86.2%;
TOPOLOGY: linear MOLECULE TYPE: protein HYPOTHETICAL: YES ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :||:||
153 SFFILK 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 4; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                         107 FFVLK 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                            2 FFVLK 6
                                                                                                                                       FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 6
LENGTH: 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 36
US-09-529-157-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-529-157-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

```
Sequence 28189 Application US/09252991A

Sequence 28289 Marc J. Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

LENGTH: 189
                                                                                                                                                                                                                                                                    Sequence 13866, Application US/09489039A

Sequence 13866, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:
PAPPLICANT: GATY Breton et. al
APPLICANT: GATY Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUEMPRENCE: 2709.2004001

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US 60/117,747

FRIOR PLING DATE: 1999-01-29

RIOR APPLICATION NUMBER: US 60/117,747

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 13866

LENGTH: 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gape
                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 86.2%; Score 25; DB 4; Length 188; Best Local Similarity 100.0%; Pred. No. 5.1e+02; Matches 5; Conservative 0; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 189;
                         Length 185;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 86.2%; Score 25; DB 4; Length 189
Best Local Similarity 66.7%; Pred. No. 5.1e+02;
Matches 4; Conservative 2; Mismatches 0; Indels
                                                                        0; Indels
                         Score 25; DB 4;
Pred. No. 5e+02;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Klebsiella pneumoniae
                      86.2%;
Ouery Match
Best Local Similarity 66...
4; Conservative
                                                                                                                                                 :||:||
153 SFFILK 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |||::|
140 AFFIVK 145
                                                                                                                        1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  35 FFVLK 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 FFVLK 6
                                                                                                                                                                                                                                                                  US-09-489-039A-13866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-489-039A-13866
```

```
Sequence 7731, Application US/09489039A

Sequence 7731, Application US/09489039A

PERMINEAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
FILE REFERENCE: 2709.2004001

CURRENT PELLING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR SEQ ID NOS: 14342

SEQ ID NO 7731

LENGTH: 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 42203, Application US/09270767

Sequence 42203, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

FILE REPRENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT PILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62217

SOFTWARE: PatentIN Ver. 2.0

SEQ ID NO 42203

LENGTH: 229
APPLICANT: DAHL, EDGAR
APPLICANT: ROSENTHAL, ANDRE
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE
FILE REPERENCE: ALBRE-12
CURRENT APPLICATION NUMBER: US/09/673,395A
CURRENT FILING DATE: 2000-10-17
NUMBER OF SEQ ID NOS: 637
SSOFTWARE: Patentin Ver. 2.1
SSQ ID NO 205
LENGTH: 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 229;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 219;
                                                                                                                                                                                                                                                                                                                         Length 205;
                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       86.2%; Score 25; DB 4; Le
100.0%; Pred. No. 5.8e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                           Score 25; DB 4; 1
Pred. No. 5.5e+02;
2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-42203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   86.2%; Score 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , OKGANISM: Klebsiella pneumoniae US-09-489-039A-7731
                                                                                                                                                                                                                                                                                                                                Query Match 86.2%;
Best Local Similarity 66.7%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                             , ORGANISM: Homo sapiens
US-09-673-395A-205
                                                                                                                                                                                                                                                                                                                                                                                                                                                      :||:||
173 SFFILK 178
                                                                                                                                                                                                                                                                                                                                                                                                                            1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              36 FFVLK 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 44
US-09-270-767-42203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JS-09-489-039A-7731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              원
                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REPERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR FILING DATE: 2000-10-03
PRIOR PEPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: RealSEQ for Windows Version 4.0
LENGTH: 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                             GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1999-08-13
PRIOR APPLICATION NUMBER: US 60/055,778
PRIOR FILING DATE: 1997-08-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 204;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4; Length 197; 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            86.2%; Score 25; DB 4; Length 204
66.7%; Pred. No. 5.4e+02;
tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 86.2%; Score 25; DB 100.0%; Pred. No. 5.3 tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 205, Application US/09673395A
Sequence 205, Application US/09673395A
Patent No. 6620923
APPLICANT: SPECHT, THOMAS
APPLICANT: SPECHT, THOMAS
APPLICANT: SCHWITT, ARMIN
APPLICANT: SCHWITT, ARMIN
APPLICANT: PILARSKY, CHRISTIAN
                                                                  Sequence 5350, Application US/09134000C Patent No. 6617156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 41
US-09-949-016-9489
; Sequence 9489, Application US/09949016
; Patent No. 6812339
                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5350
                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 6812
SOFTWARE: Patentin version 3.1
SEQ ID NO 5350
LENGTH: 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :||:||
172 SFFILK 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        103 FFVLK 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Human
                          RESULT 40
US-09-134-000C-5350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-673-395A-205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-949-016-9489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
```

g ò

ò g

ô

```
APPLICATION NUMBER: P 40 02 636.1 FILING DATE: 30-JANUARY-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity luv.
                                                                                                                                                                                                                                                                             ; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-648-796A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |:|:||
66 AYFILK 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                207 FFVLK 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Mouse
US-09-724-864-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-134-000C-4468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-724-864-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                   Sequence 759, Application US/10101464A

Sequence 759, Application US/10101464A

Batent No. 6768041

GENERAL INFORMATION:
APPLICANT: Strabala, Timothy
APPLICANT: Meuwenhuizen, Nicolaas
APPLICANT: Meuwenhuizen, Nicolaas
APPLICANT: Meuwenhuizen, Nicolaas
APPLICANT: Meuwenhuizen, Nicolaas
APPLICANT: Nicolaas
FILE REFERENCE: 11000.10202
CURRENT APPLICANT: NUMBER: 09/704,302
PRIOR PILING DATE: 2000-11-01
PRIOR FILING DATE: 1999-01-12
PRIOR PILING DATE: 2000-01-11
NUMBER OF SEQ ID NOS: 989
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 759
LENGTH: 229
LENGTH: 229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                              Gaps
                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    86.2%; Score 25; DB 4; Length 229; 100.0%; Pred. No. 6e+02; ive 0; Mismatches 0; Indels
                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Dr. Hubert Bayer
APPLICANT: Dr. Hubert Bayer
APPLICANT: Dr. Exhard Kopetzki
TITLE OF INVENTION: Expression of HIV1 and HIV2
TITLE OF INVENTION: PolyPeptides and their use
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEB: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/648,796A
FILING DATE: 199101125
CLASSIFICATION: A35
PRIOR APPLICATION DATA:
      No. 6e+02;
    Pred. No. 6e+0
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/07648796A
Patent No. 5310876
      83.3%;
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 86.2
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Pinus radiata
                                                                                                          213 AFFALK 218
                                                                 1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 FFVLK 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 FFVLK 6
                                                                                                                                                                   RESULT 45
US-10-101-464A-759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-101-464A-759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-07-648-796A-2
                                                                   ò
                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4468, Application US/09134000C

Sequence 4468, Application US/09134000C

GENERAL INFORMATION:
APPLICANT: Lynn Douctte-Stamm et al
APPLICANT: Lynn Douctte-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: NUMBER: US/09/134,000C
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1999-08-15
FRIOR APPLICATION NUMBER: US 60/055,778
FRIOR FILING DATE: 1997-08-15
NUMBER OF EQ ID NOS: 6812
SOFTWARE: PATENTIN VEFEION 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 47, Application US/09724864
Patent No. 6380362
GENERAL INFORMATION:
APPLICANT: Marison, James D
APPLICANT: Murison, James G.
TITLE OF INVENTION: Polymucleotides polypeptides expressed
TITLE OF INVENTION: by the polymucleotides and methods for their use.
FILE REFERENCE: 11000.1050U1
CURRENT FILING DATE: 2000-11.28
PRIOR PLING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 86.2%; Score 25; DB 1; Length 247; Best Local Similarity 66.7%; Pred. No. 6.4e+02; Matches 4; Conservative 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                86.2%; Score 25; DB 3; Length 269; 100.0%; Pred. No. 6.9e+02; ative 0; Mismatches 0; Indels
NAME: Hanson, No. 5310876man D.
REGISTRATION NUMBER: 30,946
REFRENCE/DOCKET NUMBER: HUBR 784
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 888-3200
TELEPHONE: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 247 amino acid residues
TYPE: AMINO ACID
```

.. 0

```
.
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 86.2%; Score 25; DB 2; Length 339; Best Local Similarity 100.0%; Pred. No. 8.4e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                            REFERENCE/DOCKET NUMBER: 08/143,692
TELECOMMUNICATION INFORMATION:
TELEFAX: (301) 619-7014
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHRACTERISTICS:
LENGTH: 339 amino acids
TYPE: amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9, 2005, 06:43:02
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BRUCELLA MELITENSIS
       REGISTRATION NUMBER: 32,535
                                                                                                                                                                                                                                                                                                                                                     unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Search completed: March
Job time : 18.0274 secs
                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: unknow MOLECULE TYPE: HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 236 FFVLK 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-855-714-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 10.0 Mplication US/09543681A

Patent No. 6605709
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: UNCLEIC ACID AND THERAPEUTICS
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.1002-001
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR APPLICATION NUMBER: US 60/128,706
NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 4672
LENGTH: 296
                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               86.2%; Score 25; DB 4; Length 296; 66.7%; Pred. No. 7.5e+02; ive 2; Mismatches 0; Indels
                                                                                                                                                                            86.2%; Score 25; DB 4; Length 282; 100.0%; Pred. No. 7.2e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3, Application US/0885514
Patent No. 593075
GENERAL INFORMATION:
APPLICANT: Warren, Richard L.
TITLE OF INVENTION:
MUMBER OF SEQUENCE: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ofth Moran, Esq.
STREET: HQ USAMRDC, Dept. of Army, Fort Detrick
CITY: Frederick
STREET: US
COUNTRY: US
COUNTRY READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PETENTION DATA:
APPLICATION DATA:
DETENT OF DATA
DETENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/334,129
FILING DATE: 04-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna
                                   TYPE: PRT ORGANISM: Enterococcus faecalis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4672
                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |||::|
291 AFFIVK 296
                                                                                                                                                                                                                                                                                                                                                                                      167 FFVLK 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AFFVLK 6
                                                                                                                                                                                                                                                                                                              2 FFVLK 6
                                                                               ; ORGANISM: ENUELO
US-09-134-000C-4468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-543-681A-4672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 50
US-08-855-714-3
LENGTH: 282
                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

Page 1

March 9, 2005, 06:11:36; Search time 42.6301 Seconds (without alignments) 36.290 Million cell updates/sec GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd. OM protein - protein search, using sw model Run on:

US-10-009-122-6 19 1 KLVF 4

Title: Perfect score:

Scoring table: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5

2105692 seqs, 386760381 residues Searched:

2105692 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries Database :

geneseqp1980s:* geneseqp2000s:* geneseqp2001s:* geneseqp2001s:* geneseqp2003s:* geneseqp2003as:* A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:* geneseqp2004s:* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

																							;				
		ion	Amyloid b				-		Amyloi									Antifibri	. Vaccine a	Test pept	5 Beta-amyl				A-beta-bi	Beta-amyl	Beta-amyl
		Description	Aaw45956	Aay79936	Aab48487	Aab48479	Aab82635	Aab82627	Aau96815	Aau96823	Aau11661	Aau11653	Aae35442	Aae35449	Adq37266	Adq37384	Adq37326	Adq37318	Adq37274	Aar87922	Aaw0231	Aaw45933	Aaw45966	Aaw45950	Aaw29089	Aaw89367	Aay79937
SUMMARIES		ID	AAW45956	AAY79936	AAB48487	AAB48479	AAB82635	AAB82627	AAU96815	AAU96823	AAU11661	AAU11653	AAE35442	AAE35449	ADQ37266	ADQ37384	ADQ37326	ADQ37318	ADQ37274	AAR87922	AAW02315	AAW45933	AAW45966	AAW45950	AAW29089	AAW89367	AAY79937
		DB	~	m	4	4	4	4	S	Ŋ	S	ស	9	9	œ	œ	60	∞	80	~	~	~	~	~	~	~	٣
		Match Length DB	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	Ŋ	ហ	ß	5	2	S	S	2
	Ouerv	Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Score	19	19	19	19	19	19	19	19	19	19	19	19	. 19	19	19	19	19	19	19	19	19	19	19	19	19
	Result	No.	П	7	3	4	S	9	7	8	O	10	11	12	13	14	15	16	17	18	19	20	. 21	22	23	24	25

727 348 348 362 263 262 262 262	Beta a Beta a Beta a Beta a Mayloi Amyloi	1663 2444 2903 3903	1329 Patho 1061 Human 1088 Human 1741 Amylo 1923 Beta- 1328 Antif 1276 Vacci	
4 AAB67 4 AAB48 4 AAB82 4 AAB82 4 AAB82 5 ABG71	5 AAO1584 5 ABB0518 5 ABB0515 5 AAU9682 5 AAU9681 5 AAU9681	AAU1166 6 ABB2643 6 AAE3544 6 AAE3545 7 ADF6093	8 ADU7132 8 ADU7132 8 ADU6408 8 ADW9774 8 ADM9772 8 ADM97327 8 ADM37327	
1000.	000000000000000000000000000000000000000	000000000000000000000000000000000000000		100.000.000.000.000.000.000.000.000.000
22 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3		0 4 4 4 4 4 0 11 5 5 4 6	5 4 4 4 4 4 4 4 4 4 4 4 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6	4.5 5.0 6.0 6.0 6.0 6.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8

ALIGNMENTS

AAW45956 standard; peptide; 4 AA Amyloid beta peptide fragment. (revised)
(first entry) 25-MAR-2003 30-JUN-1998 AAW45956; AAW45956
ID AAW4
XX AC AAW4
XX DT 25-b
DT 30-d
XX
XX AW7
XX AW7
XX AW7
XX AW7
XX AW7 RESULT 1

Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation; positron emission tomography; PET; Down's syndrome; amyloidosis.

95SE-00004467. 95US-0009386P. 96WO-SE001621. Homo sapiens. WO9721728-A1. 12-DEC-1995; 29-DEC-1995; 09-DEC-1996; 19-JUN-1997. X\#X##X#X#

(KARO-) KAROLINSKA INNOVATIONS AB.

Terenius L; Nordstedt C, Naeslund J, Thyberg J, Tjernberg LO,

```
in the exemplification of present invention
                                                                                                                                                                   RESULT 3
                                                                                                                                                                             AAB48487
                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
     SXS
                                                                                                       ઠ
                                                                                                                           셤
                                                                                                              This_sequence represents a fragment of the amyloid beta peptide. The invention relates to the use of peptide compounds for inhibition of polymerisation of amyloid beta peptide (ABP), as model substances for synthesis of ABP-ligands for inhibition of polymerisation of ABP, as a col for the identification of other organic compounds with similar tool for the identification of other organic compounds with similar functional properties, or as ligands in positron emission tomography. The peptides may be used in treatment of amyloidosis, specially in treatment or prevention of demens in patients with Down's syndrome, for treatment or prevention of hereditary cerebral haemorrhage with amyloidosis (Dutch type) or for the prevention of fibril formation of human amyloid protein. They can also be used for identifying other molecules with similar properties and/or as ligands for detection of amyloid deposits using e.g. postfirn emission tomography. (Updated on 25-MAR-2003 to correct PI
                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes a beta-amyloid inhibitor peptide. Beta-amyloid inhibitors have neuroprotective and nootropic properties. The inhibitor peptides are useful for the treatment of Alzheimer's disease. The present sequence represents a beta-amyloid recognition peptide used
                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                        Use of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beta-amyloid; inhibitor; recognition element; hybrid; aggregation; Alzheimer's disease; neuroprotective; nootropic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beta-amyloid inhibitor useful for treating Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                           Score 19; DB 2; Length 4; Pred. No. 1.8e+06; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beta-amyloid recognition peptide SEQ ID NO:1.
                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (WISC ) WISCONSIN ALUMNI RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY79936 standard; peptide; 4 AA
                                                                                            Example 1; F/g 2B; 31pp; English
                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97US-00970833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96US-0030840P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-MAY-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kiessling LL;
                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example; Col 7; 15pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-160387/14.
                      WPI; 1997-332723/30.
                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                        KLVF
                                                                                                                                                                                                                                                                                                                         Sequence 4 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JS6022859-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Murphy RM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY79936;
                                              Use of ne
                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY7993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                        유
```

```
Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid desposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 ware identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                  Nootropic, neuroprotective, antifibrillogenic, amyloidosis inhibition, cytoprotection, amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
0
                                                                      .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                              Length 4;
                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 19; DB 4; I
ilarity 100.0%; Pred. No. 1.8e+06;
Conservative 0; Mismatches 0;
                                Score 19; DB 3; I
Pred. No. 1.8e+06;
                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gupta A;
                                                                                                                                                                                                                                                               AAB48487 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25; 46pp; English.
                              100.0%;
ilarity 100.0%;
Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                        Antifibrillogenic peptide #14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99US-0132592P
                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVF 4
                                                                                                                        4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 7; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
Sequence 4 AA;
                                                                                                                      1 KLVF
                                                                                                                                                               KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                 02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4;
                                                                                                                                                                                                                                                                                                        AAB48487;
                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                              Best Loc
Matches
```

ò

RESULT 4

/note= "C-terminal amide"

```
Chalifour R,
                                     07-JUN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB82627;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 6
 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              XXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                              Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                           Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                              Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 19; DB 4; Length 4; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1. .4
/note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                           Gupta A;
        AAB48479 standard; peptide; 4 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB82635 standard; peptide; 4 AA
                                                                                                                                                                                                                                                                                              Claim 7; Page 25; 46pp; English
                                                            Antifibrillogenic peptide #6
                                                                                                                                                                     04-MAY-2000; 2000WO-CA000515
                                                                                                                                                                                      99US-0132592P
                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                         Chalifour R, Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                         4; Conservative
                                                                                                                                                                                                        (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                          WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference
                                                                                                                                  WO200068263-A2.
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modified-site
                                                                                                                 Homo sapiens.
                                                                                                                                                                                      05-MAY-1999;
                                           02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-OCT-2001
                                                                                                                                                    16-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                          AAB48479;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB82635;
AAB48479
                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
The present sequence is that of an all-D peptide suitable for use in preparing vaccines for preventing or treating Alzheimer's disease and cother ammior related disorders in humans. It is based on a portion of amyloid-beta peptide (see AAB82622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or non-amino acid fragments. Vaccines of the invention acid residues or non-amino acid fragments. Vaccines of the invention acid residues or non-amino acid fragments. Vaccines of the invention acid residues or non-self.

C peptides synthesised from the unnatural D-configuration amino acids to avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid-beta peptide, or their immunogenic at least 1 region, the amyloid-beta peptide, or their immunogenic fragments, protein conjugates, immunogenic derivative peptides and immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptidemimetics. Examples include all-D peptides and cimmunogenic peptidemimetics. Examples include all-D peptides or their immunogenic peptidemimetics a preferential TH-2 or TH-1 response, or JA-40, 1-35, 1-28, 1-7, 10-16, 16-21 and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-31 and corresponding to residues and associated cellular toxicity. The amyloid corresponding fibrillogenesis and associated cellular toxicity. The amyloid cellular corpus protein related diseases, e.g. bowine spongiform encephalitis, created diseases, e.g. disorders, or systemic amyloidosis associated with correct infection (e.g. tuberculosis) or chronic manadoud archiritis, amyloidosis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 19; DB 4; I 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB82627 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                             29-NOV-1999; 99US-0168594P, 28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                29-NOV-2000; 2000WO-CA001413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-OCT-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                           (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-441458/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               therapy; antigen.
WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF
```

Synthetic

```
The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The gant is of general formula At-(A_ln, K_z-A_la_b(1) where z = 0 - 1; At = an amyloid targeting moiety. Also included are Imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving channistering (1) to the patient, and ultrasound imaging (1) in the patient to determine the presence of amyloid or amyloid-related condition or administering (1) to the patient, a buffering agent, a transchelating agent, and instructions for the preparation and use of the radiopharmaceutical in condition agent, a mayloid or an amyloid-related condition and for instructions for the preparation and use of the radiopharmaceutical in cused for imaging amyloid deposition and for diagnosing an amyloid related condition e.g. Creutzfeldt-Jakob disease (CUD), kuru, transmissible cerebral amyloidoses (transmissible virus dementias), familial CUD, creepral amyloidoses (transmissible virus dementias), familial CUD, creepral amyloidosis, faline spongiform encephalopathy, montransmissible cerebral amyloidosis, light chain-related amyloidosis, creebral amyloidosis, light chain-related amyloidosis, corebral amyloidosis, light chain-related amyloidosis, corebral amyloidosis, lond angiopathy. The agents are capable of crossing the blood-brain charrier and are capable of corosing the amyloid plaques. The present sequence is a peptide forming the amyloid targeting moiety of the present sequence is a peptide forming the amyloid targeting moiety of the constitution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                     Amyloid; imaging agent, Creutzfeldt-Jakob disease; Kuru, CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy; Alzheimer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis; cerebral amyloid anglopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       1. .4
/note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 19; DB 5; I 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kong X, Chalifour R, Migneault D;
                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 49; Page 21; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-JUL-2001; 2001WO-CA001071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                            Amyloid targeting peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200207781-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gervais F,
                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and other amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AABS262), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues with other amino acid residues or non-amino acid fragments. Vaccines of the invention are produced using 'non-self' peptides synthesised from the unnatural D-configuration amino acid to avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid protein, e.g. the beta-sheet region or GAG-binding site region, the amyloid-beta peptide, or their immunogenic immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptidemimetics. Examples include all-D peptides and corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and 16-26-42. The vaccine elicits a preferential TH-2 or TH-1 response, or AABS2633-64. The vaccine elicits a preferential TH-2 or TH-1 response, or share disease may be localised amyloidosis, e.g. diabetes type II, cheurodegenerative disease, e.g. bovine spongiferm encephalitis, creatzfeldt-Jakob disease, scrapie, cerebral amyloid angiopathy, and corrent infection (e.g. tuberculosis) or chronic infection (e.g. tuberculosis) 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
100.0%; Score 19; DB 4; L
Best Local Similarity 100.0%; Pred. No. 1.8e+06;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                   /note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gervais F;
                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU96815 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                 29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                      29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-441458/47.
                                                                                                                          Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4 AA;
                                                                                                                                                                                                               WO200139796-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-JUL-2002
                                                                                                                                                                                                                                                                             07-JUN-2001
```

ö

Gaps

ö

AAU96815;

RESULT 7 AAU96815

ð

Length 4; Indels

Gaps

ö

us-10-009-122-6.rag

Sequence 4 AA;

င္တ

```
Claim 49; Page 21; 57pp; English.
AAU96823 standard; peptide; 4 AA
                      Amyloid targeting peptide #13.
                                                                                                                25-JUL-2001; 2001WO-CA001071
                                                                                                                        25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                    (NEUR-) NEUROCHEM INC.
                                                                                                                                            Gervais F, Kong X,
                                                                                                                                                   WPI; 2002-371447/40
                                                                            Misc-difference
                                                                                                 WO200207781-A2
                                                                                     Modified-site
              30-JUL-2002
                                                                                                         31-JAN-2002
                                                                  Synthetic
       AAU96823;
```

```
The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11169) AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor cerebral amyloid angiopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide #14, used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 4;
                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 19; DB 5; L 100.0%; Pred. No. 1.8e+06; tive 0; Mismatches 0;
  100.0%; Score 19; DB 5; I
100.0%; Pred. No. 1.8e+06;
                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure, Page 10; 68pp; English
                                                                                                                                                                                                                                                                                                                    AAU11661 standard; peptide; 4 AA.
                                                           .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99US-0171877P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                                                                                                                                                                                                                                                 09-APR-2002 (first entry)
                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Green AM, Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-075222/10.
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 4: Conserv
                                                                                                                1 KLVF 4
                                                                                                                                                                        KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        inhibitor.
                                                                                                                                                                                                                                                                                                                                                                            AAU11661;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                           Matches
                                                                                                                                                                                                                                                        RESULT 9
                                                                                                                   ઠે
                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The cagent is of general formula At-(Allnk) z-Allab [1] where z = 0 - 1;

At = an amyloid targeting moiety. Allo k = Inker moiety; and Allab c = a labelling moiety. Also included are imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving administering (I) to the patient, and ultrasound imaging (I) in the patient to determine the presence of amyloid or amyloid-related condition is and a kit for preparation are dispharmaceutical preparation comprising (I), a reducing agent, a buffering agent, a transchelating agent, and instructions for the preparation and use of the radiopharmaceutical in the imaging amyloid or an amyloid-related condition. The agents are used for imaging amyloid deposition and for diagnosing an amyloid deposition and for diagnosing an amyloid deposition or cerebral amyloidoses (transmissible virus dementias), familial CJD, cerebral amyloidosis, feline spongiform encephalopathy, non-transmissible cerebral amyloidosis, feline spongiform encephalopathy, non-transmissible cerebral amyloidosis, light chain-related amyloidosis, light chain-related amyloidosis, light chain-related amyloidosis, and are capable of crossing the blood-brain amyloid angiopathy. The agents are capable of crossing the blood-brain contraction and are capable of angiotally to amyloidosis, and are capable of angiotally and angiotales.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present sequence is a peptide forming the amyloid targeting molety of the agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New amyloid-targeting imaging agents useful for in vivo imaging amyloid plagues and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                      bovine spongiform encephalopathy; inflammation associated amyloid, primary amyloidosis; feline spongiform encephalopathy; Albaimer's disease; prion-mediated disease; blood-brain barrier; distanted amyloidosis; light chain-related amyloidosis; cerebral amyloid angiopathy.
                                                                                                                                                                                                                                                        Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmissible cerebral amyloidosis; transmissible virus dementia; scrapie; transmissible mink encephalopathy; BSE; type II diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1. .4
/note= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chalifour R, Migneault D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "Phe is amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                           (first entry)
```

ö

Gapa

; 0

Indels

carcinoma; nootropic;

us-10-009-122-6.rag

```
Gervais F, Hebert L,
                                                                                                                                                                                                          (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                   WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Abeta peptide #20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVF 4
                                                                           Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KLVF
                                                                                                                     WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-JUN-2003
                                                    Unidentified
                                                                                                                                            05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE35449;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
AAE35449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral amyloid memorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU1669, AAU1910 & AAU1911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor was used in the invention to treat a disease state characterised by cerebral amyloid anglopathy (CAA)
                                                                                                                     Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                               Peptide #6, used as a carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                                                                                                                                                                                                                                                           Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40 inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          All-D-amyloid-beta peptide, Alzheimer's disease, rheumatoid arthritis, cerebral amyloid angiopathy, amyloid disease, ankylosing spondylitis; psoriasis, Reiter's syndrome; Adult Still's disease, Bechet's syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 19; DB 5; L6
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE35442 standard; peptide; 4 AA.
                                   AAU11653 standard; peptide; 4 AA.
                                                                                                                                                                                                                                   22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                                                                         99US-0171877P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Conservative
                                                                                                                                                                                                                                                                              (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                    Gervais F;
                                                                                                                                                                                                                                                                                                                        WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Abeta peptide #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4 AA;
                                                                                                                                                                                         WO200185093-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVF
                                                                                                                                                                                                                                                          23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-JUN-2003
                                                                               09-APR-2002
                                                                                                                                                                                                               15-NOV-2001
                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE35442;
                                                         AAU11653;
                                                                                                                                                                                                                                                                                                    Green AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 11
              RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE35442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
```

```
The invention relates to a method for prevention and/or treatment of an anyloid-related disease which comprises administration of an all-D-amyloid-beta peptide. The method is used for preventing and/or treating cardiolates and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta a mammal and cardiolates the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including cardiolates anyloid seases e.g. rheumatoid arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, cathritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, cathritis, ankylosing spondylitis, psoriasis, brondic microbial infections (preferably leprosy, tuberculosis, brondiectasis, decubitus infections (preferably leprosy, tuberculosis, brondiectasis, decubitus culcers, chronic pyelonephritis, osteomyelitis and Whipple's disease).

Certain malignant neoplasms can also result in AA fibril amyloid deposits cincluding Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The invariant sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis;
Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 19; DB 6; Length 4; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chalifour RJ, Kong
                                                                                                                                                                                                                                                                                                                                                                                                                                        1. .4
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE35449 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Conservative
```

ô

```
The invention relates to a method for prevention and/or treatment of an amyloid-related disease which comprises administration of an all-D amyloid-beta peptide. The method is used for preventing and/or treating Alzheimer's and other amyloid related disease e.g. cerebral amyloid angiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta or fibril amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including carbinists, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's Gisease. AA deposits are also produced as a result of chronic microbial inflemmanch (preferably leprosy, tuberculosis, bronchiectasis, decubitus culcers, chronic pyelonephritis, osteomyelitis and Whipple's disease). Certain malignant neoplasms can also result in AA fibril amyloid deposits including Hoddkin's lymphoma, renal carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hoddkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 19; DB 6; L
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kong X;
                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                           1. .4
/note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chalifour RJ,
                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                         29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-201269/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                         Misc-difference 1
                                                                                                                                                                                                                                                                                          WO200296937-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4 AA;
                                                                                                                                                                                                                             Modified-site
                                                                                                                           Unidentified
                                                                                                                                                                                                                                                                                                                                   05-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
```

```
The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease, and (b) as second agent (a2) that is: (i) a peptide or peptidomimetic that conducts a modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune response against amyloid-beta fibril formation; or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have notionable of anticonvolsant, antichyroid, vasotropic, cardiovascular, tranquilliser, uropathic, anticonvolsant, antichyroid, vasotropic, cardiovascular, tranquilliser, cardiothic, anticonvolsant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, amild-to-moderate cognitive impairment, vascular dementia, cardiovascular amild-to-moderate cognitive impairment, vascular dementia, cardiopathy, hereditary cerebral haemorrhage, senile dementia, amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, condition associated with Alzheimer's disease.

(including hypothyroidism, cerebrovascular disease, cardiovascular disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, aggression, or incontinence), a neurological condition (e.g. thurington's disease, amyotrophic lateral selecosis, acquired immunodeficiency, barkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual cattack or stroke, transient alerthess, attention deficit, frequent falls attend to substant alerthess, attention deficit, frequent falls attend the condition as a transent learness, attention deficit, frequent falls attend the condit
                 mayloid-beta; amyloid-beta related disease;

mayloid-beta fibril formation; immune response; nootropic;

mayloid-beta fibril formation; immune response; nootropic;

matchorotective; cerebroprotective; haemostatic; ophthalmological;

matchoroulsant; antidepressant; endocrine; hypnotic;

mayloid-beta fibril formation modulator; immune system modulator;

Marchemer's disease; mild cognitive impairment;

mild-to-moderate cognitive impairment; vascular dementia;

mild-to-moderate cognitive impairment;

mild-to-moderate cognitive impairment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Composition for treating e.g. Alzheimer's disease comprises first agent
that prevents or treats amyloid-beta related disease and second agent

    .4
    /note= "D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 67; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2003; 2003WO-CA002021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004058239-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
```

Gaps

; 0

0; Indels

4; Conservative

1 KLVF

ઠે

Vaccine antigen amyloid-beta related amino acid sequence.

(first entry)

07-OCT-2004

ADQ37266;

ADQ37266 standard; peptide; 4 AA.

```
ö
damage), or a psychological condition (e.g. depression, delusions, illusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt)) in a subject e.g. human having a genomic mutation in an amploid precursor protein gene, an ApoB gene, or a presentin gene; having amyloid beta deposits. The present sequence represents a peptide that can be used as a vaccine antigen in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cerebrovascular disease, cardiovascular disease, memory loss, anxiety, behavioural dysfunction, neurological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes compositions (C) comprising: (a) a first agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that
                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amyloid-beta, amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
antroprective; cerebroprotective; haemostatic; ophthalmological;
antichyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
mild-to-moderate cognitive impairment; vascular dementia;
cerebral amyloid angiopathy; hereditary cerebral haemorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                         100.0%; Score 19; DB 8; Length 4; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amyloid-beta polymerisation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 95; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ37384 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2002US-0436379P.
2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INT LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                  4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gervais F, Bellini F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-543342/52.
                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                 present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                      Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-DEC-2002;
23-JUN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14
        88888888888
                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
```

```
(int) an immune system modulator that prevents or intilotts amyloud-beta fibril formation. Also described is a kit comprising (C). (C) have nootropic, neutroprotective, haemostatic, contropic, antichyroid, vasotropic, cardiovascular, tranquilliser, urcopathic, antichyroid, antichyroid, antichyroid, antichyroid, antidepressant, endocrine and hypnotic activities, and can be used as amyloid-beta fibril formation modulators, and as anyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, vascular dementia, cerebral anyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, vascular dementia, cerebral anyloid-beta related modilary cerebral haemorrhage, senile dementia, anyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, cown's syndrome, inclusion body myositis, age-ralated macular degeneration, or a condition associated with Alzheimer's disease.

C(including hypothyroidism, cerebrovascular disease, cardiovascular disease, memory loss anxiety, a behavioural dysfunction (e.g. Huntington's disease, anytorophic lateral sclerosis, acquired immodeficiency, parkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual field deficits, incoordination, gait disturbance, transient fall cardion, aptachementa, brain tumour, posttraumatic brain injury, or posthypoxic catack, transient alertness, attention deficit, frequent falls anged), or a psychological condition (e.g. depression, depressed mood, irritability, anhedonia, social withdrawal, or excessive quilt)) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an Apos gene, or a presentisation opetide which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amyloid-beta; amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
amyloid-beta fibril formation; immune response; nootropic;
anticorcitive; cerebrosprotective; hamologial;
anticorvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
anticorvulsant; antidepressant; endoctine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
amyloid-beta fibril formation medulator; immune system cerebral amyloid angiopathy; hereditary cerebral hamorrhage;
senile dementia; Down's syndrome; inclusion body myositis;
age-related macular degeneration; hypothyroidism;
cerebrovascular disease; cardiovascular disease; memory loss; anxiety;
behavioural dysfunction; neurological condition; psychological condition;
modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta fibril formation; or (ii) an immune system modulator that prevents or inhibits amyloid-beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 19; DB 8; Length 4; 100.0%; Pred. No. 1.8e+06; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADQ37326 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vaccine antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ37326;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
             원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
Disclosure; Page 70; 143pp; English.
       Location/Qualifiers
              /note= "amidated"
                                   24-DEC-2003; 2003WO-CA002021
                                          24-DEC-2002; 2002US-0436379P
                                             23-JUN-2003; 2003US-0482214P
                                                    (NEUR-) NEUROCHEM INT LTD.
                                                           Gervais F, Bellini F;
                                                                   WPI; 2004-543342/52.
                     WO2004058239-A1.
          Modified-site
                            15-JUL-2004
Synthetic.
```

셤 degeneration, or a countion absociated with Arimemmer B unsequence disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, aggression, or incontinence). a neurological condition (e.g. apathy, disease, amyotrophic lateral sclerosis, acquired immunodeficiency, lateral solerosis, acquired immunodeficiency, with Lewy bodies, altered muscle tone, seizures, sensory loss, visual field deficits, incoordination, gait disturbance, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural camentoma, brain tumour, postrraumatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions, disturbance, insomnia, behavioural disinhibition, post insight, suicidal deation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an emyloid-beta deposits. The present sequence represents a peptide that can be used as an antifibrillogenic amyloidosis inhibiting peptide con the present invention. agent (a1) that prevents or treats amyloid-beta related disease; and (b) a second agent (a2) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune response against amyloid-beta ibril formation; or therapeutic immune response against amyloid-beta aprophylactic or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C). (C) have nootropic, neuroprotective, cerebroprotective, haemostatic, ophthalmological, antithyroid, vasotropic, cardiovascular, tranquilliser, curopathic, anticonvollant, antidepressant, endocrine and hymotic activities, and can be used as amyloid-beta fibril formation modulators, and as immune system modulators. (C) can be used for preventing or treating an amyloid-beta related disease e.g. Alzheimer's disease (including sporadic (non-hereditary) or familial (hereditary)), mild cognitive impairment, amild-to-moderate cognitive impairment, vascular dementia, cerebral amyloid angiopathy, hereditary cerebral haemorrhage, senile dementia, complish the syndrome, inclusion body myositis, age-related macular (c) degeneration, or a condition associated with Alzheimer's disease Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator. present invention describes compositions (C) comprising: (a) a first

24-DEC-2003; 2003WO-CA002021. 24-DEC-2002; 2002US-0436379P. 23-JUN-2003; 2003US-0482214P.

WO2004058239-A1. 5-JUL-2004.

Synthetic.

(NEUR-) NEUROCHEM INT LID

cerebrovascular disease, cardiovascular disease, memory loss, anxiety, behavioural dysfunction, neurological condition, psychological condition, vaccine antigen.

Sequence 4 AA;

```
Gaps
                                         ;
                Length 4;
            100.0%; Score 19; DB 8; Length 4; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
Ouery Match
Best Local Similarity luv..
4; Conservative
```

ö

```
amyloid-beta fibril formation; immune response; nootropic; neuroprotective; cerebroprotective; haemostatic; ophthalmological; antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic; anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic; cardiant; antidepressant; endocrine; hypnotic; amyloid-beta fibril formation modulator; immune system modulator; mild-to-moderate cognitive impairment; vascular dementia; cerebral amyloid angiopathy; heredicary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age_related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antifibrillogenic amyloidosis inhibiting peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amyloid-beta; amyloid-beta related disease;
                                                                                                                                                                                                                                          ADQ37318 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                     07-OCT-2004 (first entry)
1 KLVF 4
                                                                                                                                                                                                                                                                                                                              AD037318;
```

Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator. Gervais F, Bellini F; WPI; 2004-543342/52.

Disclosure; Page 69; 143pp; English.

definition that prevents confidentially confident (a) that prevents confidentially confidentiall present invention describes compositions (C) comprising: (a) a first

(including hypothyroidism, cerebrovascular disease, cardiovascular

```
disease, memory loss, anxiety, a behavioural dysfunction (e.g. apathy, aggression, or incontinence), a neurological condition (e.g. Huntington's disease, amyortrophic lateral sclerosis, acquired immunodeficiency, parkinson's disease, aphasia, apraxia, agnosia, pick disease, dementia with Lewy bodies, altered muscle tone, seizures, sensory loss, visual continuous incondination, gait disturbance, transient ischaemic attack or stroke, transient alertness, attention deficit, frequent falls, syncope, neuroleptic sensitivity, normal pressure hydrocephalus, subdural canned, brain tumour, posttraumatic brain injury, or posthypoxic damage), or a psychological condition (e.g. depression, delusions, illusion, hallucination, sexual disorder, weight loss, psychosis, a sleep disturbance, insomnia, behavioural disinhibition, poor insight, suicidal ideation, depressed mood, irritability, anhedonia, social withdrawal, or excessive guilt) in a subject e.g. human having a genomic mutation in an amyloid precursor protein gene, an ApoE gene, or a presentlin gene; having amyloid-beta deposits. The present sequence represents a peptide that can be used as an antifibrillogenic amyloidosis inhibiting peptide tin the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cerebrovascular disease; cardiovascular disease; memory loss; anxiety; behavioural dysfunction; neurological condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amyloid-beta, amyloid-beta related disease;
amyloid-beta fibril formation; immune response; nootropic;
neuroprotective; ceroprotective; haemostatic; ophthalmological;
antithyroid; vasotropic; cardiovascular; tranquilliser; uropathic;
anticonvulsant; anti-HIV; antiparkinsonian; muscular; neuroleptic;
cardiant; antidepressant; endocrine; hypnotic;
amyloid-beta fibril formation modulator; immune system modulator;
Alzheimer's disease; mild cognitive impairment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mild-to-moderate cognitive impairment; vascular dementia; cerebral amyloid angiopathy; hereditary cerebral haemorrhage; senile dementia; Down's syndrome; inclusion body myositis; age_related macular degeneration; hypothyroidism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity 100.0%; Score 19; DB 8; Length 4; Similarity 100.0%; Pred. No. 1.8e+06; 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vaccine antigen amyloid-beta related amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1. .4
'note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ37274 standard; peptide; 4 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-DEC-2002; 2002US-0436379P.
23-JUN-2003; 2003US-0482214P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-DEC-2003; 2003WO-CA002021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-OCT-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Misc-difference 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2004058239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              vaccine antigen
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ37274;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ37274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98999999999999999999888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  요
```

```
The present invention describes compositions (C) comptising: (a) a first agent (a) that prevents or treats amyloid-beta related disease; and (b) a second agent (a) that is: (i) a peptide or peptidomimetic that modulates amyloid-beta fibril formation or induces a prophylactic or modulates amyloid-beta fibril formation or induces a prophylactic or therapeutic immune system modulator that prevents or inhibits amyloid-beta fibril formation. Also described is a kit comprising (C): (C) have contropic, neuroprotective, cerebroprotective, haemostatic, tranquilliser, uropathic, anticomulatar, antidepressant, endocrins and hypnotic activities, and can be used as amyloid-beta fibril formation modulators (C) can be used for preventing or treating an can be used as amyloid-beta fibril formation modulators and as immune system modulators (C) can be used for preventing or treating an can be used as amyloid-beta fibril formation modulators, and as immune system modulators (C) can be used for preventing or treating an immune system modulators (C) can be used for preventing or treating an immune system modulators (C) can be used for preventing or treating an immune system modulators (C) can be used for preventing or treating an immune system modulators (C) can be used for preventing or treating or impleted angiorably preceditary or a condition associated with Alzahimer's disease (including hypothyroidism, cerebral haemorrhage, senile dementia, own's syndrome, inclusion body myositis, age-related macular disease, amyotrophic lateral solerosis, acquired immunodeficiency, also modulation session also also and the pressure hydrocephalus, subdural field deficits, incoordination, gair disturbance, transient ischaemic and muscle ton, descasse, dementia and pressure professes and modulation, sexual disorder, weight loss, psychosis, a sleep damages), or a psychological condition session deficit, frequent described macula disorder, weight loss, psychological conditions, seizures, second weight, with a described present geneitivity, normal
                                                                                                                               Composition for treating e.g. Alzheimer's disease comprises first agent that prevents or treats amyloid-beta related disease and second agent that is either a peptide or peptidomimetic or an immune system modulator.
                                                                                                                                                                                                                                                                  The present invention describes compositions (C) comprising: (a) a first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Test peptide used in study of antagonism of amyloid beta protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 19; DB 8; Length 4; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amnesia; amyloid beta; Alzheimer's disease
                                                                                                                                                                                                                      Disclosure; Page 67; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR87922 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAR-1996 (first entry)
(NEUR-) NEUROCHEM INT LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                      WPI; 2004-543342/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4 AA;
                                           Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAR87922;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR87922
  ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2×2×2×2×2×2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

```
Partial sequence of amyloid beta peptide critical for its polymerisation.
                                                                                                                                                                                                                                              AAW02110-W02332 represent the peptide portions of the beta-amyloid modulator compounds of the invention. Beta-amyloid peptide is a 4 kilodalton peptide that is the major protein component of amyloid plaques. Amyloid plaques are present both in the brain lesions, and in the walls of cerebral blood vessels in Alzheimer's disease patients. The amyloid modulators of the invention comprise an amyloidogenic protein or peptide (such as this sequence) coupleted a majoldogenic protein or peptide (such as this sequence) coupletcily or indirectly to at least one modifying group. The modifying group is preferably a cyclic, heterocyclic, or polycyclic group, such as declain, a cholanyl group, a biotin containing group, or a fluorescein containing group. These compounds then modulate the aggregation of these sequences to natural amyloid proteins or peptides when contacted with the natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amyloidogenic proteins or peptides. The modulator compounds can be used in the treatment of disorders associated with amyloidosis, such as familial amyloid cardiomyopathy, isolated cardiac amyloidosis, systemic senile amyloidosis, scrapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, adult-onset diabetes, insulinoma, familial Mediterranean fever, familial amyloid nephropathy with urticaria and deafness, hereditary cerebral hasmorrhage and other types of amyloidosis. The modulators are also useful for the treatment of disorders associated with beta-amyloidosis, especially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation; positron emission tomography; PET; Down's syndrome; amyloidosis.
                Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hundal A;
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ, Molineaux S;
Kubasek W, Chin J, Lee J, Kelley M;
                                                                                                                               Modulators of amyloid aggregation - comprising, e.g. amyloidogenic protein coupled (in)directly to at least 1 modifying gp., useful in treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 19; DB 2; Length 5; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                             Claim 16; Page 91; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (KARO-) KAROLINSKA INNOVATIONS AB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW45933 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95SE-00004467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              96WO-SE001621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (revised)
                                                                                            WPI; 1996-433762/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Alzheimer's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5 AA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-DEC-1995;
29-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9721728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW45933;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 20
AAW45933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                         effects of amyloid beta protein and which can be used to ameliorate amnesia and other neurotoxicity in Alzheimer's disease caused by deposition of this protein. The peptides themselves are not amnestic or memory-enhancing. The new peptides are described in AAR87912, AAR87913 and AAR87914. The present sequence is an additional peptide tested in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta-amyloid; modulator; amyloid plaque; brain lesion; amyloidosis; cerebral blood vessel; Alzheimer's disease; amyloidogenic protein; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; isolated cardiac amyloidosis; systemic senile amyloidosis; insulinoma; bovine spongiform encephalopathy; Creutzfeldt--dakob disease; urticaria; adult-onset diabetes; familial Mediterranean fever; therapy; deafness; scrapie; familial amyloid nephropathy; hereditary cerebral haemorrhage.
                                                                                                                                                                                                                                                                                                                          New peptide(s) which block binding of amyloid beta protein - used for antagonising the amnestic effects of amyloid beta protein, partic. in Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to three new peptides which block the amnestic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 19; DB 2; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              process but found not to be active
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beta-amyloid modulator peptide #6.
                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 9; 27pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW02315 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                     93US-00127904
                                                                                                                                 94WO-US010475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96WO-US003492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (PHAR-) PHARM PEPTIDES INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Conservative
                                                                                                                                                                                                           OF HOPE
                                                                                                                                                                                                                                                                                    WPI; 1995-147244/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5 AA;
                                                  WO9508999-A1
                                                                                                                                                                                                           (CITY ) CITY
                                                                                                                               16-SEP-1994;
                                                                                                                                                                     29-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-MAR-1995;
07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO9628471-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-OCT-1995;
                                                                                          06-APR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-SEP-1996,
                Synthetic.
                                                                                                                                                                                                                                                  Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW02315;
```

ò 유 ö

Gaps

```
Amyloid beta peptide; Alzheimer's disease; polymerisation; aggregation; positron emission tomography; PET; Down's syndrome; amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                     Peptide derived from amyloid beta peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (KARO-) KAROLINSKA INNOVATIONS AB
                                                                                                                                                                                                                                                                                                                  AAW45966 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96WO-SE001621.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95SE-00004467.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Naeslund J,
                                                                                                                                                                                                                                                                                                                                                 (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1997-332723/30.
                     WPI; 1997-332723/30.
                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                             1 KLVF 4
                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                              Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nordstedt C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                      WO9721728-A1
                                                                                                                                                                                                                                                                                                                                                 25-MAR-2003
30-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                   AAW45966;
                                                                                                                                                                                                                                                                                                    RESULT
                                                                                                                                                                                                                                                                                                                           ò
```

```
Contracts AAW45962-6 represent a fragment of the amyloid beta peptide
KLVFF with an amino acid residue replaced with alanine. The invention
relates to the use of peptide compounds for inhibition of polymerisation
of amyloid beta peptide (ABP), as model substances for synthesis of ABP-
ligands for inhibition of polymerisation of ABP, as a tool for the
ligands for inhibition of polymerisation of ABP, as a tool for the
ligands for inhibition of polymerisation of ABP, as a tool for the
ligands for inhibition of polymerisation of ABP, as a tool for the
ligands in treatment of amyloidosis, especially in treatment of
Alzhamer's disease associated with amyloidosis, tor treatment or
prevention of demens in patients with Down's syndrome, for treatment or
prevention of hereditary createral haemorrhage with amyloidosis (Dutch
type) or for the prevention of fibril formation of human amyloid protein.
They can also be used for identifying other molecules with similar
properties and/or as ligands for detection of amyloid deposits using e.g.
position emission tomography. (Updated on 25-MAR-2003 to correct PI
                     Example 1, Fig 2C; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW45950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         용
8
                                                                                                                                                                                                                                                                                                                                                   This is a partial sequence of the amyloid beta peptide which is critical for its polymerisation. The invention relates to the use of peptide (ABP), compounds for inhibition of polymerisation of amyloid beta peptide (ABP), compounds for inhibition of polymerisation of ABP-ligands for inhibition of compounds with similar functional properties, or as ligands in positron comparably. The peptides may be used in treatment of camyloidosis, especially in treatment of Alzheimer's disease associated with amyloidosis, especially in treatment of Alzheimer's disease associated with amyloidosis, for treatment or prevention of demens in patients with hammorrhage with amyloidosis (Dutch type) or for the prevention of fibril formation of human amyloid protein. They can also be used for identifying other molecules with similar properties and/or as ligands for detection of amyloid deposits using eg. positron emission tomography. (Updated on 25 - MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                               Uge of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
                                          Terenius
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 19; DB 2; Length 5; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                      Tjernberg LO,
                                             Thyberg J,
                                                                                                                                                                                                                                                                                                                Example 5; Page 14; 31pp; English.
                                             Nordstedt C, Naeslund J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Conservative
```

```
ö
                                                                                                                                                                                                                                                                             Amyloid beta peptide, Alzheimer's disease, polymerisation; aggregation;
positron emission tomography; PET; Down's syndrome; amyloidosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This sequence represents a fragment of the amyloid beta peptide. The invention relates to the use of peptide compounds for inhibition of polymerisation of amyloid beta peptide (ABP), as model substances for synthesis of ABP-ligands for inhibition of polymerisation of ABP, as a tool for the identification of other organic compounds with similar
                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of new and known peptide(s) for inhibition of polymerisation of amyloid beta peptide - e.g. for treatment of Alzheimer's disease or Down's syndrome associated with amyloidosis.
                                  ;
0
        Length 5;
                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tjernberg LO,
100.0%; Score 19; DB 2; Le
100.0%; Pred. No. 1.8e+06;
Mismatches 0;
                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Thyberg J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (KARO-) KAROLINSKA INNOVATIONS AB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; Fig 2B; 31pp; English.
                                                                                                                                                             AAW45950 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                         Amyloid beta peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                           96WO-SE001621.
                                                                                                                                                                                                                                                                                                                                                                                                                                   95SE-00004467.
95US-0009386P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nordstedt C, Naeslund J,
                                                                                                                                                                                                                  (revised)
(first entry)
                                     4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1997-332723/30.
            Query Match
Best Local Similarity
Matches 4; Conserv
                                                                  1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                       WO9721728-A1
                                                                                                                                                                                                                                                                                                                                                                                                            09-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                        12-DEC-1995;
29-DEC-1995;
                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                    25-MAR-2003
30-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                  19-JUN-1997
                                                                                                                                                                                          AAW45950;
```

Terenius L;

Tjernberg LO,

Thyberg J,

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New conjugates are disclosed which are of formula A-Z, in which: A is (1) a cyclosporin A analogue described in AAW29087 or (2) an FK506 binding peptide inhibitor; and Z is a polypeptide comprising 5 or more contiguous residues of A-beta peptide. The compounds are novel chemical inducers of dimerization which are non-immunosuppressive and which are inhibitors of A-beta peptide aggregation and deposition in amyloid plaques. The adverse consequences of amyloid plaque formation can be prevented or ameliorated by sequestering the A-beta peptide in monomeric form with a conjugate which links the A-beta to cyclophilin or FKBP, therefore providing a
functional properties, or as ligands in positron emission tomography. The peptides may be used in treatment of amyloidosis, especially in treatment of Alzheimer's disease associated with amyloidosis, for treatment or prevention of demens in patients with Down's syndrome, for treatment or prevention of hereditary cerebral haemorrhage with amyloidosis (Dutch type) or for the prevention of fibril formation of human amyloid protein. They can also be used for identifying other molecules with similar properties and/or as ligands for detection of amyloid deposits using e.g. positron emission tomography. (Updated on 25-MAR-2003 to correct PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cyclosporin; A-beta peptide; conjugate; neurological disease; Alzheimer; multiple sclerosis; amyotrophic lateral sclerosis; ALS; non-immunosuppressive; amyloid plaque formation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New A-b-binding peptide conjugates and CsA analogs - useful in treatment of neurological diseases e.g. Alzheimer's disease, Multiple Sclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       side chain
                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "The C-terminal is condensed onto the side of Lys(7) of the cyclosporin analog described in AAW29087, AAW29088, AAW29095 and AAW29097"
                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A-beta-binding peptide fragment conjugated to cyclosporin.
                                                                                                                                                                                                                                               100.0%; Score 19; DB 2; Length 5; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (WISC ) WISCONSIN ALUMNI RES FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 5; Page 98; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW29089 standard; peptide; 5 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98WO-US017544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97US-0057751P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                               Local Similarity 100.
nes 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Solomon ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-276928/23
                                                                                                                                                                                                                                                                                                                      1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                       2 KLVF 5
                                                                                                                                                                                                           Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9910374-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-MAR-1999
                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW29089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rich DH,
                                                                                                                                                                      field.)
                                                                                                                                                                                                                                                                   Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 23
AAW29089
     8888888888888888
                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
```

```
ö
mechanism to minimize the amount of free A-beta available for fibril formation and deposition. The compounds can be used for the treatment of Alzheimer's disease, multiple sclerosis and amyotrophic lateral sclerosis
                                                                                                                                                                                                                                                                                                                                                                                                             Human; beta-amyloid peptide; Alzheimer's disease; amyloidogenic protein; aggregation; neurotoxicity; amyloidosis; Down's syndrome; cardiomyopathy; familial amyloid polyneuropathy; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; bAP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The bAP derivatives inhibit aggregation of amyloidogenic proteins and peptides, specifically bAP, and their neurotoxicity, so are useful for treating and preventing any disease involving amyloidosis, specifically Alzheimer's disease but also Down's syndrome, familial amyloid color polyneuropathy or cardiomyopathy, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. The bAP derivatives are also used to diagnose these diseases, in vitro or in vivo, by detecting binding of bAP to labelled bAP derivatives some bAP derivatives inhibit bAP aggregation even when bAP is present in molar excess. The present sequence represents a bAP derivative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes beta-amyloid peptide (bAP) derivatives
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New peptide(s) derived from beta-amyloid peptide that inhibit amyloid aggregation - and neurotoxicity, specifically for treatment and prevention of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Benjamin H;
                                                                                                                                 Gaps
                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gefter ML, Kasman L, Musso G, Molineaux S, Be
, Chin J, Lee J, Kelley M, Reed M, Wakefield
                                                                                                100.0%; Score 19; DB 2; Length 5; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 5;
                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 19; DB 2; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                 Beta-amyloid peptide derivative A-beta-16-20.
                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Findeis MA, Chin J, Lee J, Kelle
Garnick MB, Kubasek W, Signer ER;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 11; Col 63; 52pp; English.
                                                                                                                                                                                                                                                                                 AAW89367 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96US-00612785.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95US-00404831.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95US-00475579
95US-00548998
                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PRAE-) PRAECIS PHARM INC.
                                                                                                                               4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-094964/08.
                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                             KLVF 4
                                                               Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5 AA;
                                                                                                                                                                 1 KLVF
                                                                                                                                                                                                                                                                                                                                                 02-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US5854204-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                  AAW89367;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hundal A,
                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                 Best Loca
Matches
                                                                                                                                                                                                                                             RESULT 24
                                                                                                                                                                                                                                                                                               ន្តដូប្បដូ
                                                                                                                                                                 ઠે
                                                                                                                                                                                              셤
```

Matches

셤 ò

```
Novel chemical compound or composition useful for preventing beta-strand association, comprises peptides containing N-alpha substituted L-amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                      The present invention relates to a chemical compound or composition comprising a peptide with a beta strand forming section and associates with a target beta-strand formed by a separate peptide-containing molecule. The invention is useful for inhibiting or reversing the association of target beta-strand, formed by Alzheimer's Abeta peptide into a beta-sheet or beta-fibre and the aggregation of proteins or
                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 19; DB 4; Length 5; ilarity 100.0%; Pred. No. 1.8e+06; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gupta A;
                                                                                                                                                                                                                                              Example 1; Page 42; 77pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB48489 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antifibrillogenic peptide #16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-MAY-2000; 2000WO-CA000515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0132592P
                             28-JUL-2000; 2000WO-GB002901.
                                                          99GB-00017724.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-031852/04.
                                                                                                                                                   WPI; 2001-182777/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200068263-A2
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chalifour R,
                                                                                         (STOT/) STOTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                            28-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-NOV-2000.
01-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB48489;
                                                                                                                                                                                                                                                                                                                                                                    peptides
                                                                                                                        Stott K;
                                                                                                                                                                                                                    acida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB48489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a beta-amyloid inhibitor peptide. Beta-amyloid inhibitors have neuroprotective and nootropic properties. The inhibitor peptides are useful for the treatment of Alzheimer's disease. The present sequence represents a beta-amyloid recognition peptide used in the exemplification of present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
 Gaps
                                                                                                                                                                                                                                                                Beta-amyloid; inhibitor; recognition element; hybrid; aggregation; Alzheimer's disease; neuroprotective; nootropic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Beta-amyloid inhibitor useful for treating Alzheimer's disease.
 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 Similarity 100.0%; Score 19; DB 3; Le Similarity 100.0%; Pred. No. 1.8e+06; 4; Conservative 0; Mismatches 0;
 ..
                                                                                                                                                                                                                                   Beta-amyloid recognition peptide SEQ ID NO:2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Residues 16-20 of Alzheimer's Abeta peptide.
   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (WISC ) WISCONSIN ALUMNI RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB67279 standard; peptide; 5 AA
                                                                                                                                           AAY79937 standard; peptide; 5 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Alzheimer's; Abeta; beta-strand
    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example; Col 7; 15pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                         96US-0030840P.
                                                                                                                                                                                                                                                                                                                                                                                                          97US-00970833
                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Murphy RM, Kiessling LL;
    4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-160387/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KLVF 4
                                   4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200107473-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5 AA;
                                  KLVF
                                                               KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                       15-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-APR-2001
                                                                                                                                                                                                                                                                                                                                              US6022859-A.
                                                                                                                                                                                                         11-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                             08-FEB-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB67279;
                                   Н
                                                                                                                                                                          AAY79937;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 26
AAB67279
```

SO CCC CCC CCC XX XX BX BX BX BX XX BX XX

d

ò

ö

Gaps

KLVP

ઠે 셤

```
8
                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                             for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptides AAB48474-B48496 are antifibrillogenic agents that can be used for inhibiting amyloidosis and/or for cytoprotection. The peptides of AAB48474-B48496 cause the breakdown of amyloid deposits and are therefore useful for treating amyloidosis disorders such as Alzheimer's disease. Peptides AAB48474-B48496 were identified from the glycosaminoglycan binding region and the prot-prot interaction region of the human amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antifibrillogenic agent useful for inhibiting amyloidosis and/or for cytoprotection for treating amyloidosis disorders, comprises a peptide, its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nootropic; neuroprotective; antifibrillogenic; amyloidosis inhibition; cytoprotection; amyloid deposit degradation; amyloidosis disorder; Alzheimer's disease.
                                                                                                         Peptides AAB48474-B48496 are antifibrillogenic agents that can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                  Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                  Score 19; DB 4; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gupta A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB48481 standard; peptide; 5 AA
                                                   Claim 7; Page 25; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 7; Page 25; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
its isomer or peptidomimetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-MAY-2000; 2000WO-CA000515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antifibrillogenic peptide #8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0132592P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chalifour R, Gervais F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-031852/04.
                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200068263-A2.
                                                                                                                                                                                                                                                                                                                         Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ношо варіепв.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB48481;
                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                               Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB48481
```

ö

Gaps

ö

Indels

0

Query Match
100.0%; Score 19; DB 4; I
Best Local Similarity 100.0%; Pred. No. 1.8e+06;
Matches 4; Conservative 0; Mismatches 0;

Length 5;

```
The present sequence is that of an all-D peptide suitable for use in preparing vaccines for preventing or treating Alzheimer's disease and coher amyloid related disorders in humans. It is based on a portion of amyloid related disorders in humans. It is based on a portion of amyloid related disorders in humans. It is based on a portion of anyloid-beta peptide (see AAB8262), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more conditions and to the invention are produced using 1 or more fragments. Vaccines of the invention are produced using 1 or more conditions synthesised from the unnatural D-configuration amino acids to avoid the drawbacks of self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with at least 1 region of an amyloid protein, e.g. the beta-sheet region or a GAG-binding site region, the amyloid-beta peptide, or their immunogenic fragments protein conjugates, immunogenic derivative peptides and immunogenic peptidemimetics. Examples include all-D peptides and immunogenic peptides and sasociated cellular toxicity. The amyloid of the value of iseases and be localised amyloidosis, e.g. diabetes type II, createrfeldt-Jakob diseases, e.g. bovine spongiform encephalitis, and created diseases, scrapie, cerebral amyloidosis associated with channatoid arthritis), familial Mediterranean fever (FMF) and systemic myloidosis for rheumatoid arthritis), familial Mediterranean fever (FMF) and systemic myloidosis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and
                                                                                                                                                                                                                                                         Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                                                                                                                   All-D peptide used in Alzheimer's disease vaccine
                                                                                                                                                                                                                                                                                                                                                                         ..5
note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gervais
                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 11; 31pp; English.
                                                                                                 AAB82637 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-NOV-2000; 2000WO-CA001413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'n,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hebert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-441458/47.
                                                                                                                                                                                                                                                                                                                                                                         Misc-difference 1
                                                                                                                                                                                                                                                                              therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200139796-A2
KLVF
                                                                                                                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chalifour R,
                                                                                                                                                                            02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JUN-2001
                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                          AAB82637;
```

Creutzfeldt-Jakob disease, scrapie, cerebral amyloid angiopathy, and prion protein related disorders, or systemic amyloidosis associated with chronic infection (e.g. tuberculosis) or chronic inflammation (e.g. rheumatoid arthritis), familial Mediterranean fever (FMF) and systemic amyloidosis found in long-term haemodialysis patients

ö

Gaps

ö

Length 5; 0; Indels

Score 19; DB 4; I Pred. No. 1.8e+06; 0; Mismatches

100.0%;

Query Match Best Local Similarity

ð 셤

Sequence 5 AA;

888888888

4; Conservative

Matches

ద

ઠ

```
The present sequence is that of an all-D peptide suitable for use for preparing vaccines for preventing or treating Alzheimer's disease and other amyloid related disorders in humans. It is based on a portion of amyloid-beta peptide (see AAB82622), and may be modified by removing or inserting 1 or more amino acid residues, or by substituting 1 or more amino acid residues or by substituting 1 or more amino acid residues or non-amino acid fragments. Vaccines of the invention acid residues or non-amino acid c fragments. Vaccines of the invention are produced using 'non-self' c peptides synthesised from the unnatural D-configuration amino acids to avoid the drawbacks of 'self' proteins. The all-D peptides need not be aggregated to be operative or immunogenic. They preferably interact with c at least 1 region of an amyloid protein, e.g. the beta-sheet region or C GAG-binding site region, the amyloid-beta peptide, or their immunogenic framents, protein conjugates, immunogenic derivative peptides and c corresponding to residues 1-42, 1-40, 1-35, 1-28, 1-7, 10-16, 16-21 and c corresponding to residues 1-42, 1-40, 1-35, 1-20, TH-1 response, c peptide amyloid-beta peptide and the all-D derivative peptides given to hams a second and associated cellular toxicity. The amyloid related diseases may be localised amyloidosis, e.g. diabetes type II, neurodegenerative diseases, e.g. bovine spongiform encephalitis,
                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Preventing/treating amyloid-related disease, especially Alzheimer's disease, comprises administering antigenic all-D peptide, eg. as vaccine, which elicits production of antibodies to prevent fibrillogenesis and
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alzheimer's disease; amyloidosis; amyloid-related disease; vaccine;
                                                                                                                               ö
                                                        Length 5;
                                                        100.0%; Score 19; DB 4; Length 5; 100.0%; Pred. No. 1.8e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        All-D peptide used in Alzheimer's disease vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. .5
/note= "all D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 11; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB82629 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                associated cellular toxicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-NOV-1999; 99US-0168594P.
28-NOV-2000; 2000US-00724842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-NOV-2000; 2000WO-CA001413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                      4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chalifour R, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-441458/47.
                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    therapy; antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Misc-difference
                                                                                                                                                                                                              1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200139796-A2
Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB82629;
                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                          RESULT 30
                                                                                                                                                                                                                                                                                                                                                                                                                               AAB82629
```

```
This invention relates to a peptide containing Nalpha substituted alpha-D
amino acid residues optionally with Nalpha un substituted alpha-D amino
acids, which is capable of associating specifically with beta-strands
cormed by other protein or peptide molecules and there fore inhibiting
their aggregation into extended beta-sheets. The peptides exhibit
cheir aggregation into extended beta-sheets. The peptides exhibit
cheir aggregation into extended beta-sheets. The peptides is used for
antiparkinsonian, and cerebroprotective activity. The peptide is used for
inhibiting or reversing the aggregation of proteins or peptides in vivo
inhibiting or reversing the aggregation of proteins or peptides. The peptides can also be used for in vivo or inn
corrections or peptides into insoluble beta fibres. The diseases include
proteins or peptides into insoluble beta fibres. The diseases include
proteins or peptides or all Alzheimer's disease, Parkinson's disease,
prion-related encephalopathies e.g. bowine spongiform encephalopathy
(BSB) and its human forms Crentzfeldt-Jakob disease and kuru,
Huntington's disease, X-linked spinal and bulbar muscular atrophy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chemical compound/composition for e.g. treating neurodegenerative diseases, comprises peptide comprising Nalpha substituted alpha-D-aminoacid residues which inhibit the aggregation of other proteins/peptides
                                                                                                                                                                                             Beta-amyloid peptide; beta-sheet formation inhibitor; neuroprotective;
                                                                                                                                                                                                              antidiabetic, nootropic, anticonvulsant; antiparkinsonian; BSE; Kuru, cerebroprotective; Alzheimer's disease; Parkinson's disease; bovine spongiform encephalopathy; Creutzfeldt-Jakob disease; Huntington's disease; muscular atrophy; spinocerebellar ataxia; type II diabetes mellitus; amyloidosis.
                                                                                                                                                         Residues 16-20 of beta-amyloid peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 42; 76pp; English.
                                   AAB62803 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99GB-00017725.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-JUL-2000; 2000WO-GB002923
                                                                                                                     30-APR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-168537/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (STOT/) STOTT K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                into beta-sheet,
                                                                                                                                                                                                                                                                                                                                                                                                 WO200107474-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                             01-FEB-2001.
                                                                                AAB62803;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stott K;
RESULT 31
                      4AB62803
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amyloid modulator useful for treating a disorder associated with amyloidosis, comprises an amyloidogenic protein and/or a peptide fragment coupled to a modifying group.
dentatorubral-pallidoluysian atrophy, and at least 5 genetically distinct
               forms of spinocerebellar ataxia, Non-neurodegenerative diseases such as type II diabetes mellitus, familial amyloidosis and dialysis-related amyloidosis. The present sequence represents a fragment of the Alzheimer's disease related beta-amyloid peptide. The peptide is used in an example illustrating the use of a peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention describes an amyloid modulator comprising an amyloidogenic protein and/or peptide fragment coupled to a modifying group so that the compound modulates the aggregation of natural amyloid proteins or peptides. The modulator is used for treating a disorder associated with amyloidosis e.g. familial amyloid polyneuropathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy (Danish type), isolated cardiac amyloid, systemic senile amyloidosis, scrapie, bovine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beta-amyloid; amyloid modulator; amyloidogenic protein; amyloidosis; familial amyloid polyneuropathy; familial amyloid cardiomyopathy; familial amyloid cardiomyopathy; solated cardiac amyloid; systemic senile amyloidosis; scrapie; myeloma; bovine spongiform encephalopathy; BSE; Creutzfeldt-Jakob disease; adult onset diabetes; Gerstmann-Straussler-Scheinker syndrome; insulinoma; atrial amyloidosis; idiopathic amyloidosis; haemodialysis; primary localised cutaneous nodular amyloidosis; Sjogren's syndrome; hereditary cerebral haemorrhage with amyloidosis; Sjogren's syndrome; hereditary non-neuropathic systemic amyloidosis;
                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                          ö
                                                                                                                                                                     Length 5;
                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , Benjamin H, Garnick MB, Gefter ML, Hund
Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                    Score 19; DB 4; I Pred. No. 1.8e+06;
                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 form beta-amyloid protein fragment #7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 12; Page 35; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                      ABG71010 standard; peptide; 5 AA
                                                                                                                                                                    100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      familial Mediterranean Fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-OCT-2001; 2001US-00972475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96US-00617267
                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                          4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-697709/75.
                                                                                                                                                                Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                          1 KLVF 4
                                                                                                                                                                                                                                                                            1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2002098173-A1
                                                                                                                             Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-1995;
07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                              05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JUL-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Findeis MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Кавшап L,
                                                                                                                                                                                                                                                                                                                                                                                                          ABG71010;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Long
                                                                                                                                                                                                                                                                                                                                  RESULT 32
 8888888888
                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                          윱
```

```
diabetes, Geremman-Straussler-Scheinker syndrome, insulinoma, isolated atrial amyloidosis, idopathic (primary) amyloidosis, myeloma or macroglobulinaemia-associated amyloidosis, primary localised cutaneous condular amyloidosis, idopathic (primary) expressed cutaneous condular amyloidosis associated with Sjogren's syndrome, reactive condular amyloidosis, familial Mediterranean Fever and familial camyloid nephropathy with urticaria and deafness (Muckle-Wells syndrome), hereditary cerebral haemorrhage with amyloidosis of Icelandic type, camyloidosis associated with long term haemodialysis, hereditary non-reuropathic systemic amyloidosis (familial amyloidosis associated with III), familial amyloidosis of Finnish type, amyloidosis associated with computed systemic amyloidosis and inhibiting beta-mayloidosis. The compound is capable of altering and inhibiting beta-myloid protein (beta-AP) aggregation of natural amyloidosis. The compound is capable of altering and inhibiting beta-myloid protein (beta-AP) aggregation of natural amyloidosis. Crelative to the modulator. This sequence represents a fragment of the crelative to the modulator. This sequence represents a fragment of the long form of beta-amyloid used in the creation of an amyloid modulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention comprises an aggregation inhibitor of beta-amyloid protein (Abeta). The aggregation inhibitor of the invention has the sequence Lysteu-Val-Phe-Phe with a modified C-terminal of aspartyl-aspartyl (aminoethoxy) ethoxyacetic acid. The Abeta aggregation inhibitor of the invention is useful for the prevention, diagnosis and treatment of Alzheimer's disease. The present amino acid sequence represents the Abeta aggregation inhibitor peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    An aggregation inhibitor of beta-amyloid protein of sequence Lys-Leu-Val-Phe-Phe with modified C-terminal of aspartyl-aspartyl- (aminoethoxy)ethoxyacetic acid, for prevention, diagnosis and treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Abeta, beta-amyloid protein aggregation inhibitor, Alzheimer's disease, C-terminal aspartyl-aspartyl (aminoethoxy) ethoxyacetic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
  Creutzfeldt-Jakob disease, adult onset
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beta-amyloid protein (Abeta) aggregation inhibitor peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 19; DB 5; Length 5; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (DOKU-) DOKURITSU GYOSEI HOJIN SANGYO GIJUTSU SO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAO15847 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; Page 2; 4pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-FEB-2001; 2001JP-00041170.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-FEB-2001; 2001JP-00041170.
spongiform encephalopathy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-744799/81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JP2002241302-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    of Alzheimer's.
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-AUG-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AA015847;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
  δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          요
```

Gaps

6

0; Indels

Length 5;

100.0%; Score 19; DB 5; I 100.0%; Pred. No. 1.8e+06; Mismatches

;

4; Conservative

1 KLVF

8

ö

ð 유

Query Match Best Local Similarity Matches 4; Conserv

```
The present invention describes an amyloid modulator compound (I)

C comprising an aggregation core domain and a modifying group attached to

c it. (I) has nootropic, neuroprotective, immunosuppressive, antimicrobial,

c antidiabetic, antipyratic, dermatological, cardiovascular, nephrotropic

and auditory activities, and can be used as a natural amyloid aggregation

c inhibitor and a neurotoxicity inhibitor of natural bara amyloid peptide

c (beta-AP). (I) are used in the manufacture of a medicament for the

c diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's

c diagnosis or treatment of an amyloidogenic disease e.g. Alzheimer's

c disease and other clinical occurrences of beta amyloid deposition such as

cc haemorrhage with amyloidogis, and for treating a disorder associated with

c amyloidosis such as familial amyloid polymeuropathy. (I) reduces the

c toxicity of natural beta-AP aggregates to cultured neuronal cells. (I)

c toxicity to reduce the neurotoxicity of performed A-beta fibrils. The

c present sequence represents a peptide which is used in the

c exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobial; auditory; antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polyneuropathy.
                                                               Gaps
                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beta amyloid peptide related peptide PPI-366 SEQ ID NO:37.
Length 5;
                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Findeis MA, Benjamin H, Garnick MB, Gefter ML, Hund
Kasman L, Musso G, Signer ER, Wakefield J, Reed MJ;
100.0%; Score 19; DB 5; I
100.0%; Pred. No. 1.8e+06;
                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 11; Col 63; 54pp; English.
                                                                                                                                                                                                                                                                                                                                                                                ABB05183 standard; peptide; 5 AA.
                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95US-00404831.
95US-00475579.
95US-00548998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96US-00617267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PRAE-) PRAECIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                          4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-146668/19.
                                   Best Local Similarity
Matches 4; Conserv
                                                                                                                                                 4
                                                                                                                                                                                                             KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-MAR-1995;
07-JUN-1995;
27-OCT-1995;
                                                                                                                                             1 KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US6319498-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB05183;
              Query Match
                                                                                                                                                                                                                                                                                                                                                       ABB05183
```

Beta amyloid peptide; beta-AP; beta amyloid precursor protein; A-beta; APP-770; amyloid aggregation; amyloidogenic; Alzheimer's disease; nootropic; neuroprotective; immunosuppressive; antimicrobiai; auditory; antidiabetic; antipyretic; dermatological; cardiovascular; nephrotropic; amyloid aggregation inhibitor; neurotoxicity inhibitor; Down's syndrome; amyloidogenic disease; beta amyloid deposition; amyloidosis; hereditary cerebral haemorrhage; familial amyloid polyneuropathy.

Beta amyloid peptide (16-20) SEQ ID NO:10.

02-APR-2002 (first entry)

ABB05158;

ABB05158 standard; peptide; 5 AA.

RESULT 35

The present invention describes an amyloid modulator compound (I)

C comprising an aggregation core domain and a modifying group attached to

C comprising an aggregation core domain and a modifying group attached to

C antidiabletic, antipyratic, dermatological, cardiovascular, nephrotropic

and auditory activities, and can be used as a natural amyloid aggregation

CC inhibitor and a neurotoxicity inhibitor of natural bard amyloid aggregation

CC inhibitor and a neurotoxicity inhibitor of natural beta amyloid peptide

CC intractment of an amyloidogenic disease e.g. Alzheimer's

C disease and other clinical occurrences of beta amyloid deposition such as

CC disease and other clinical occurrences of beta amyloid deposition such as

CC homn's syndrome individuals and in patients with hereditary creebral

CC haemorrhage with amyloidosis, and for treating a disorder associated with

CC amyloidosis such as familial amyloid polymeuropathy. (I) reduces the

CC toxicity of natural beta-AP aggregates to cultured neuronal cells. (I)

CC toxicity to reduce the neurotoxicity of performed A-beta fibrils. The

CD ability to reduce the neurotoxicity of performed A-beta fibrils. The

CC exemplification of the present invention Example 11; Col 63; 54pp; English.

Amyloid modulator compound useful for treatment of an amyloidogenic disease such as Alzheimer's disease comprises an aggregation core domain and a modifying group attached to it.

Hundal A;

n H, Garnick MB, Gefter ML, Hunda Signer ER, Wakefield J, Reed MJ;

Benjamin H,

Findeis MA,

Кавшап L,

Musso G,

WPI; 2002-146668/19.

95US-00404831. 95US-00475579. 95US-00548998. 96US-00617267.

14-MAR-1995; 07-JUN-1995; 27-OCT-1995;

14-MAR-1996;

20-NOV-2001.

US6319498-B1.

sapiens.

Synthetic.

(PRAE-) PRAECIS PHARM INC.

Sequence 5 AA;

Sequence 5 AA

```
Synthetic.
                                                                                                                                                                                                                                                                                                AAU96817;
                                                                                                                                                            Matches
                                                                                                                                                                                                                                                 RESULT 37
                                                                                                                                                                                                                                                              AAU96817
8888888888
                                                                                                                                                                                      δ
                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amyloid targeting molety, a linker molety and a labelling molety. The agent is of general formula A_1 = (A_1 - R_1)^2 - A_1 a b (1) where z = 0 - 1; A_1 = a namyloid targeting molety, A_1 - R_1 = a linker molety; and A_1 - a a labelling molety. Also included are imaging amyloid deposition or diagnosing an amyloid-related condition in a patient involving administering (I) to the patient, and ultrasound imaging (I) in the patient to determine the presence of amyloid or amyloid-related condition; and a kit for preparing a radiopharmaceutical preparation comprising 1), a reducing agent, a buffering agent, a transcellating agent, and instructions for the preparation and use of the radiopharmaceutical in the imaging of amyloid a an amyloid-related condition. The agents are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            used for imaging amyloid deposition and for diagnosing an amyloid related condition e.g. Creuzzfeldt-Jakob disease (CDD), kuru, transmissible cerebral amyloidoses (transmissible wirus dementias), familial CJD, scrapie, transmissible mink encephalopathy, bovine spongiform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to an amyloid-targeting imaging agent comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                     Gaps
                                                                                                                                                                                                                                                          transmissible cerebral amyloidosis; transmissible virus dementia; erapte; transmissible mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloid; primary amyloidosis; feline spongiform encephalopathy;
                                                                                                                                                                                                                                                                                                         Alzheimer's disease; prion-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis; cerebral amyloid angiopathy.
                                   ö
                                                                                                                                                                                                                                                Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD;
           Length 5;
                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              'note= "Preferably D-form residue"
          Score 19; DB 5; L
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Migneault D;
                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "Phe is amidated"
                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ď
                                                                                                                                              AAU96825 standard; peptide; 5 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 49; Page 21; 57pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chalifour
          100.0%;
                                                                                                                                                                                                                       Amyloid targeting peptide #15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-JUL-2001; 2001WO-CA001071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JUL-2000; 2000US-0220808P. 24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                (first entry)
                                  4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gervais F, Kong X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-371447/40.
          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference
                                                           1 KLVF 4
                                                                                  KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200207781-A2
                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                               30-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-JAN-2002.
                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                      AAU96825;
                                 Matches
                                                           ò
                                                                                유
```

```
ö
encephalopathy (BSE), inflammation-associated amyloid, type II diabetes, primary amyloidosis, feline spongiform encephalopathy, non-transmissible ecebral amyloidosis, Alzheimer's disease, prion-mediated diseases, disease, related amyloidosis, Ilight chain-related amyloidosis, cerebral amyloid angiopathy. The agents are capable of crossing the blood-brain barier and are capable of binding specifically to amyloid plaques. The agent sequence is a peptide forming the amyloid targeting moiety of the agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to an amyloid-targeting imaging agent comprising an amyloid targeting moiety, a linker moiety and a labelling moiety. The spent is of general formula A_{\perp} \cdot (A_{\perp} \ln k^{1}) z \cdot A_{\perp} = b (1) where z = 0 - 1; A_{\perp} = a mamyloid targeting moiety, A_{\perp} = a linker moiety, and A_{\perp} = a labelling moiety, Also included are imaging amyloid deposition or administering an amyloid-related condition in a patient involving administering (1) to the presence of amyloid or amyloid-related condition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New amyloid-targeting imaging agents useful for in vivo imaging amyloid plaques and/or for the treatment of amyloidosis disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amyloid; imaging agent; Creutzfeldt-Jakob disease; Kuru; CJD; transmisable cerebral amyloidosis; transmisable virus dementia; scrapie; transmisable mink encephalopathy; BSE; type II diabetes; bovine spongiform encephalopathy; inflammation associated amyloidosis; felline spongiform encephalopathy; Alzheimer's disease; ption-mediated disease; blood-brain barrier; dialysis-related amyloidosis; light chain-related amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. .5 /mote= "Preferably D-form residue"
                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 19; DB 5; I
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Migneault
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kong X, Chalifour R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU96817 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 49; Page 21; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amyloid targeting peptide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-JUL-2000; 2000US-0220808P.
24-JUL-2001; 2001US-00915092.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-JUL-2001; 2001WO-CA001071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cerebral amyloid angiopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-371447/40.
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200207781-A2.
                                                                                                                                                                                                                                                                                                                                                    Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gervais F,
```

```
(I), a reducing agent, a buffering agent, a transchelating agent, and a kit for preparing a radiopharmaceutical preparation comprising constitutions for the preparation and use of the radiopharmaceutical in the imaging of amyloid or an amyloid-related condition. The agents are used for imaging amyloid deposition and for diagnosing an amyloid related condition and for diagnosing an amyloid related amyloid amyloid deposition and for diagnosing an amyloid related condition e.g. Creutzfeldt-Jakob disease (UD), kuru, transmissible creapis, transmissible mink encephalopathy, bovine spongiform creapis, transmissible mink encephalopathy, bovine spongiform primary amyloidosis, feline spongiform encephalopathy, non-transmissible created amyloid type II diabetes, primary amyloidosis, feline spongiform encephalopathy, non-transmissible created amyloidosis, feline spongiform encephalopathy, non-transmissible created amyloidosis, refebral amyloidosis, light chain-related amyloidosis, creebral and are capable of binding specifically to amyloid plaques. The present sequence is a peptide forming the amyloid targeting moiety of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Transglutaminase inhibitor; Factor XIII inhibitor; XIIIa inhibitor; ophthalmological; antinflammatory; antirheumatic; antiarthritic; thrombolytic; neuroprotective; nootropic; antiseborrheic; dermatological; cytostatic; anti-HIV; antipsoriatic; cataract; inflammatory disease; arthritis; thrombosis; Alzheimer's disease; Huntington's chorea; acne; cancer; HIV infection; psoriasis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes novel amino acid or peptide derivatives or analogues (I), containing a modified side-chain (e.g. containing a formyl group) which are transglutaminase inhibitors and Factor XIII/XIIIa inhibitors. The products of the invention have ophthalmological, antiinflammatory, antirheumatic, antiarthritic, thrombolytic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New amino acid or peptide derivatives or analogs, are selective transglutaminase inhibitors useful e.g. for treating cataract, inflammatory diseases, rheumatoid arthritis, thrombosis, Alzheimer's disease and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ..
0
                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 19; DB 5; Length 5; 100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Transglutaminase inhibitory peptide ap type #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zotzel J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 13; 44pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABB84001 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-NOV-2001; 2001WO-EP012727.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pasternack R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-NOV-2000; 2000DE-01054687.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NZYM-) N ZYME BIOTEC GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Conservative
                                                                                                                                                                                                                                                                                                                          agent of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-444364/47.
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200236798-A2
                                                                                                                                                                                                                                                                                                                                                                     Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KLVF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fuchsbauer H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABB84001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       임
```

```
cartifity and antipsoriation activity. (I) are transglutaminase inhibitors, mentifity and antipsoriation activity. (I) are transglutaminase inhibitors, cespecially inhibitors of crosslinking of proteins or peptides processed and peptides, processed activity of glutamine residues bound in proceins or peptides, blood factor XIII/XIII and mammalian, human, tissue, liver, brain, eye lens, keratinocyte, epidermal, proceste, plant, parasitic and/or bacterial transglutaminases. The products of the invention can be used of for treating actaract, inflammatory diseases, theumatoid arthritis, chrombosis, Alzeaimer's disease, Huntington's chora, cene, cancer (by induction of apoptosis), HIV infections and psoriasis. (I) Are targeted and specific transglutaminase inhibitors, which can inhibit a specific type of transglutaminase in the human or animal body without affecting other transglutaminases. ABB84001-ABB84049 represent transglutaminase in the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to a new method of inhibiting cerebral amyloid angiopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid angiopathy, particularly Alzheimer's disease, hereditary cerebral haemorrhage with amyloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11910 & AAU11911) that were used in the invention as a carrier for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amyloid-beta40 inhibitor; Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nociropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide #8, used as a carrier for the amyloid-beta40 (Abeta40) inhibitor.
neuroprotective, nootropic, antiseborrheic, dermatological, cytostatic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ..
                                                                                                                                                                                                                                                                                                                                                                                                                 Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 19; DB 5; I
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU11655 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-DEC-2000; 2000WO-IB002078.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99US-0171877P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Green AM, Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-075222/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200185093-A2.
                                                                                                                                                                                                                                                                                                                                                                           Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAU11655;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU11655
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
```

ABB82632 standard; peptide; 5 AA.

KEVF.

셤

(first entry)

04-FEB-2003

ABB82632;

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to a new method of inhibiting cerebral amyloid anajopathy. The new method of the invention involves contacting a blood vessel wall cell with an amyloid-beta40 inhibitor. The invention can be used for treating disease states characterised by cerebral amyloid haemorrhage of the myloidosis of the Dutch type and haemorrhagic stroke. The present sequence represents one of a group of peptides (AAU11648-AAU11669, AAU11910 & AAU11911) that were used in the invention as a carief for the amyloid-beta40 (Abeta40) inhibitor. The Abeta40 inhibitor cerebral amyloid anglopathy (CAA)
                                                                                                                                                                                                                                                                                                                                                           Amyloid-beta40 inhibitor, Abeta40 inhibitor; cerebral amyloid angiopathy; CAA; nootropic; neuroprotective; cerebroprotective; Alzheimer's disease; cerebral haemorrhage; amyloidosis; haemorrhagic stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Inhibiting cerebral amyloid angiopathy used for treating e.g. Alzheimer's disease comprises contacting blood vessel wall cell with amyloid-beta 40
                                                                                                                                                                                                                                                                                                                                 used as carrier for the amyloid-beta40 (Abeta40) inhibitor.
                                                                                                         Gaps
was used in the invention to treat a disease state characterised by cerebral amyloid angiopathy (CAA)
                                                                                                         ö
                                                                          Score 19; DB 5; Length 5; Pred. No. 1.8e+06; O; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 10; 68pp; English.
                                                                                                                                                                                                                                          AAU11663 standard; peptide; 5 AA.
                                                                        h Similarity 100.0%; 4; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-DEC-2000; 2000WO-IB002078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-0171877P
                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gervais F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-075222/10.
                                                                       Query Match
Best Local Similarity
                                                                                                                                   1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200185093-A2
                                              Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-DEC-1999;
                                                                                                                                                                                                                                                                                                                               Peptide #16,
                                                                                                                                                                                                                                                                                                  09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                    AAU11663;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Green AM,
                                                                                          Best Loc
Matches
 SXXS
                                                                                                                                                               ద
                                                                                                                                                                                                                                                                      ò
```

```
The invention relates to a peptide (I) inhibiting fibrillogenesis, that comprises a beta-strand with two faces, where the first face has hydrogen bonds, and the second face blocks or disrupts propagation of hydrogen conding between beta-strands needed to form fibrils. (I) is useful for inhibiting fibrillogenesis, for detecting fibrils in a subject and for composition comprising (I) is useful for inhibiting associated with pathological states such as Alzheimer's disease, composition comprising (I) is useful for inhibiting or diseasembling fibrils associated with pathological states such as Alzheimer's disease, composition comprising (I) is useful for inhibiting or diseasembling fibrils associated with pathological states such as Alzheimer's disease, composition comprising, familial Mediterranean fever, familial amyloid cardiomypathy with utricaria and deafeness, Muckle-Wells syndrome, compressing marcroglobulinemia-associated myslome, familial amyloid cardiomypathy, isolated cardiac amyloid polymeuropathy, familial amyloid cardiomypathy, isolated cardiac amyloid polymeuropathy, scrapie, didult onset diabetes, insulial amyloid cardiomoses, hereditary cerebral haemorinage with amyloidosis, familial camyloidosis, hereditare syndrome, bovine spongiform encephalitis, prionsendated diseases, or Huntingforn's disease. (I) is useful for treating a subject which is a mammal, preferably human, having protein aggregation disease or protein misfolding disease. The composition is useful in both preventive and curative therapies of fibril based pathologies mentioned cabove. The present sequence represents a peptide from the core domain of beta-amyloid, and can inhibit Abeta fibrillogenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel peptide for inhibiting fibrillogenesis, and for screening fibrillogenesis inhibitors, has beta-strand with one face having hydrogen bonds and other face blocking propagation of hydrogen bonding between
                                                                                                                                                               Abeta; beta-amyloid; fibrillogenesis; fibril; nootropic; neuroprotective;
                                                                                                                                                                                        cerebroprotective; haemostatic; antipyretic; nephrotropic; vasotropic; dermatological; auditory; antidiabetic; cytostatic; antiinflammatory; antimicrobial; anticonvulsant; antidiabetic.
                                                                                                                         Abeta fibrillogenesis inhibitor peptide Ac Abeta16-22.
                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal CONH2"
                                                                                                                                                                                                                                                                                                                                                                /note= "N-terminal AcNH"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 25; 151pp; English.
                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAR-2001; 2001US-0277477P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-MAR-2002; 2002WO-US008803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYCH-) UNIV CHICAGO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Meredith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-040553/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200274931-A2
                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                    Modified-site
                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            beta-strands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gordon DJ,
```

4; Conservative

Query Match Best Local Similarity

Best Loc Matches

ö

Gaps

;

Length 5; Indels

100.0%; Score 19; DB 5; Le 100.0%; Pred. No. 1.8e+06; iive 0; Mismatches 0;

```
invention
                                                                              Matches
                                                                                                                                                                        RESULT 43
                                                                                                                                                                                                  SXS
                                                                                                                              g
                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a method for prevention and/or treatment of an anyloid-related disease which comprises administration of an all-D amyloid-beta peptide. The method is used for preventing and/or treating and/ord-beta in a manmal and angiopathy; for altering serum levels of amyloid-beta in a mammal and cangiopathy; for altering serum levels of amyloid-beta in a mammal and favours the clearance of soluble amyloid-beta in a mammal and carbonary diseases e.g. rheumatoid arthritis amyloid-beta from the mammal; and reducing or inhibiting the formation of plaques. It is also used for treating AA (reactive) amyloid diseases including arthritis, juvenile chronic arthritis, ankylosing spondylitis, psoriasis, psoriatic arthropathy, Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's disease. AA deposits are also produced as a result of chronic microbial infections (preferably leprosy, tuberculosis, bronchiectasis, decubitus ulcers, chronic pyelonephritis, orselve in AA tibril amyloid deposits controling Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                   ö
                                                                                                                                                                                                                                                                                        All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prevention and/or treatment of an amyloid-related disease e.g.
Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                     ö
                                         Length 5;
                                                                  0; Indels
                                        100.0%; Score 19; DB 6; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kong X;

    .5
/note= "D-form residues"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                       AAE35444 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-MAY-2001; 2001US-00867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2002; 2002WO-CA000763
                                                                                                                                                                                                                                           (first entry)
                                                                     4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NEUR-) NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-201269/19.
                                          Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                   Abeta peptide #15.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Misc-difference 1
                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200296937-A2
                 Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                           17-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gervais F,
                                                                                                                                                                                                                 AAE35444;
                                                                                                                                                                            AAE3544
                                                                                                                                                                                                                 g
      X S
                                                                                                 ò
```

```
The invention relates to a method for prevention and/or treatment of an all-D-
amyloid-related disease which comprises administration of an all-D-
amyloid-beta peptide. The method is used for preventing and/or treating
CC Alzheimer's and other amyloid related disease e.g. cerebral amyloid
Alzheimer's and other amyloid related disease e.g. cerebral amyloid
CC Alzheimer's and other amyloid related disease e.g. cerebral amyloid
CC favours the clearance of soluble amyloid-beta in a mammal and
CC favours the clearance of soluble amyloid-beta in a mammal, and reducing or inhibiting the formation of plaques. It is
CC also used for treating AA (reactive) amyloid diseases including
CC arthritis, ankylosing spondylitis, psoriasi, psoriatic arthropathy,
CR Reiter's syndrome, Adult Still's disease, Bechet's syndrome and Crohn's
CR Giesase. AA deposite are also produced as a result of chronic microbial
CC infections (preferably leprosy, tuberculosis, bronchiectsais, decubius
CC ulcers, chronic pyelonephritis, osteomyelitis and Whipple's disease).
CC certain malignant neoplasms can also result in AA fibril amyloid deposits
                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     All-D-amyloid-beta peptide; Alzheimer's disease; rheumatoid arthritis; cerebral amyloid angiopathy; amyloid disease; ankylosing spondylitis; psoriasis; Reiter's syndrome; Adult Still's disease; Bechet's syndrome; Crohn's disease; infection; leprosy; tuberculosis; carcinoma; nootropic; chronic pyelonephritis; osteomyelitis; Whipple's disease; vasotropic; Hodgkin's lymphoma; neuroprotective; bronchiectasis; ophthalmological; ulcer; antiinflammatory; cytostatic; uropathic; therapy.
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prevention and/or treatment of an amyloid-related disease e.g. Alzheimer's disease, comprises use of all-D-amyloid-beta peptides.
                                                                                                                               ö
                                                            Length 5;
                                                            100.0%; Score 19; DB 6; I
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ×
                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . .5
'note= "D-form residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chalifour RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE35451 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 59; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-MAY-2001; 2001US-00867847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2002; 2002WO-CA000763.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-JUN-2003 (first entry)
                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gervais F, Hebert L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NEUR-) NEUROCHEM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-201269/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Misc-difference 1.
                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Abeta peptide #22.
                                                                                                                                                                                                              KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200296937-A2
Sequence 5 AA;
                                                                                                                                                                                                                                                                                  KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE35451;
                                                                   Query Match
Best Local 8
```

8888888

RESULT 44 ABR43903

g

```
aggregation of beta-amyloid protein (ADP60932). The peptide inhibitor has a C-terminus which is modified with hydrophilic ether groups having an an C-terminus which is modified with hydrophilic ether groups having an amino group and a carboxyl group at the ends of the molecule (e.g., poly(aminoethoxy) ethoxyacetic acids). The C-terminally modified peptide inhibitor inhibits the aggregation of beta-amyloid protein (fibril formation), thereby preventing the death of neural cells. The inhibitor is useful in the prevention, treatment, and diagnosis of Alzheimer's disease. The present sequence represents the amino acid sequence of the C-terminally modified inhibitor of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptides whose carboxyl terminal is modified with hydrophilic groups, are useful as inhibitors for aggregation of beta-amyloid protein and are used in the treatment of Alzheimer's.
                                                                                                                                                                     Beta-amyloid protein; aggregation inhibitor; fibril formation inhibitor; peptide inhibitor; C-terminal modification; hydrophilic ether group; poly (aminoethoxy)ethoxyactic acid; neural cell; Alzheimer's disease; nootropic; neuroprotective.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prion; PrPSC; prions protein; transmissible spongiform encephalopathy.
                                                                                                                                C-terminally modified peptide inhibitor of beta-amyloid aggregation.
                                                                                                                                                                                                                                                                                                                                                               /note= "Linked to hydrophilic ether group such as poly(aminoethoxy)ethoxyacetic acid group"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a peptide inhibitor (ADF60931) of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pathologic modified prions-proteins PrPSC peptide #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 19; DB 7; L
100.0%; Pred. No. 1.8e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (DOKU-) DOKURITSU GYOSEI HOJIN SANGYO GIJUTSU SO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 1; 4pp; Japanese.
                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
      ADF60931 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ71329 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-MAR-2001; 2001JP-00065451.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAR-2001; 2001JP-00065451
                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                 JP2002265382-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KLVF.
                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                      12-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-SEP-2002
                                                                                                                                                                                                                                                                                 Synthetic
                                              ADF60931;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADJ71329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 46
    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SXXXXXXXXXXX
                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
including Hodgkin's lymphoma, renal carcinoma, carcinomas of gut, lung and urogenital tract, basal cell carcinoma and hairy cell leukaemia. The present sequence is an Abeta peptide used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               treating patients with Alzheimer's disease, comprising multiple copies of a plaque-recognition peptide (Phe-Phe-Val-Leu-Lys), where all amino acids are the D-isomer. The compound interferes with formation of fibril from beta-amyloid peptide effecting an inhibition of disease process. It is useful for diagnosing and treating Alzheimer's disease in mammals, especially a human. The present sequence represents a beta-amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chemical compound for use in diagnosing or treating Alzheimer's disease, comprises multiple copies of a plaque-recognition peptide and is capable of crossing blood brain-barrier.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a chemical compound for use in diagnosing or
                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nootropic;
human.
                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity 100.0%; Score 19; DB 6; Length 5; Similarity 100.0%; Pred. No. 1.8e+06; 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APP770; Alzheimer's disease; plaque-recognition peptide; neuroprotective; fibril formation; beta-amyloid peptide;
                                                                                                                                                                                         Indels
                                                                                                                                                 Length
                                                                                                                                               100.0%; Score 19; DB 6; I
larity 100.0%; Pred. No. 1.8e+06;
Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beta-amyloid binding peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 6; 37pp; English
                                                                                                                                                                                                                                                                                                                                                                                     ABR43903 standard; protein; 5 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-AUG-2002; 2002WO-US026889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-AUG-2001; 2001US-0314382P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-342445/32.
                                                                                                                                           Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (STEI/) STEIN S.
                                                                                                                                                                                                                                       4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2003018609-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 binding peptide
                                                                                                                                                                                                                                                                             KLVF
                                                                                                                                                                                                                                   KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5 AA;
                                                                                                       Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-MAR-2003
                                                                  invention
                                                                                                                                                                                                                                                                                                                                                                                                                               ABR43903;
```

Stein S;

ö

Gape

;; 0

Synthetic

RESULT 45 ADF60931

셤 ઠે

Length 5; Indels

```
17-JUN-2003; 2003US-00463729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADJ64088;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADJ64088
δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                             The present invention relates to a method for detecting pathologically altered prion proteins (PrPsc), which comprises incubating a test sample with a solid carrier to which an agent is able to bind, removing unbound proteins, and detecting proteins bound to the agent. The method is used to diagnose transmissible spongiform encephalopathies in live animals, even shortly after infection. The present sequence is a PrPsC peptide used to demonstrate the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            diabetes; insulinoma; myeloma; Sjogren's syndrome; familial mediterranean fever; urticaria; deafness; hereditary cerebral hemorrhage; haemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis; beta-amyloid peptide; human.
                                                                                                                                                                Detecting pathological prions in live animals, useful for diagnosis of transmissible spongiform encephalopathy, using immobilized agent that binds to beta-sheets.
                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spongiform encephalopathy; cartifeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Optionally N-terminal cholyl or N-acetyl neuraminyl or iminobiotinyl"
                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                            Krummrei
                                                                                                                                                                                                                                                                                                                                     Length 5;
                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "Optionally C-terminal amide"
                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 19; DB 8; L
Best Local Similarity 100.0%; Pred. No. 1.8e+06;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                            Gabert J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human beta-amyloid long form peptide fragment #7
                                                                                                                             Lehmann J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADJ64061 standard; peptide; 5 AA
                                                                                                                                                                                                             Claim 5; Page 10; 24pp; German.
                                                     04-JUL-2003; 2003WO-DE002249.
                                                                          04-JUL-2002; 2002DE-01030141.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                            Engemann C, Hoeschler K,
                                                                                              PRIO-) PRIONTYPE GMBH
                                                                                                        (SCHL/) SCHLEUSSNER C.
                                                                                                                                               WPI; 2004-108912/11.
                                                                                                                                                                                                                                                                                                                                                                                1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004005307-A1
             WO2004005920-A2.
                                                                                                                                                                                                                                                                                                                                                                                                    KLVF 4
                                                                                                                                                                                                                                                                                                                   Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-JAN-2004
                                  15-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADJ64061;
                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 47
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADJ64061
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

```
The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder associated with amyloidosis, particularly familial amyloid polyneuropathy (C contesses, decident amyloid cardiomyopathy) associated cardiac amyloid, systemic senile amyloidosis, corapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, corapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, corapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, corapie, myeloma or macroglobulinemia-associated amyloidosis, myeloma or macroglobulinemia-associated amyloidosis, primary amyloidosis, myeloma or macroglobulinemia-associated which Sjogram's coralized cutaneous nodular amyloidosis, familial Mediterranean Pever and familial amyloid nephropathy with urticaria and deafness (Mucklewells syndrome), hereditary cerebral haemorrhage with amyloidosis of columnial amyloidosis associated with amyloidosis of polyneuropathy III), familial amyloidosis (familial amyloidosis) associated with medullary carcinoma of the thyroid, fibrinogen associated associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic amyloidosis. The present sequence is beta-amyloid peptide fragment used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloidogenic protein; therapy; amyloidosis; familial amyloid polyneuropathy; cardiomyopathy; systemic senile amyloidosis; bovine spondiform encephalopathy; systemic senile amyloidosis; bovine spondiform encephalopathy; Creutzfeldt-Jakob disease; Gerstmann-Straussler-Scheinker syndrome; diabetes; insulianoma; myoloma; Sjogren's syndrome; familial mediterranean fever; urticaria; deafness; hereditary cerebral haemorrhage, haemodialysis; thyroid; renal amyloidosis; lysozyme-associated hereditary systemic amyloidosis; beta-amyloid peptide; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                     Hundal A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                     Garnick MB, Gefter ML, Hund
er ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human beta-amyloid long form peptide fragment #32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 19; DB 8; I
100.0%; Pred. No. 1.8e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 12; SEQ ID NO 10; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADJ64088 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                        Signer ER,
                              95US-00475579.
                                                                                                                                          04-OCT-2001; 2001US-00972475
95US-00404831
                                                                                                        96US-00617267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-MAY-2004 (first entry)
                                                                                                                                                                                                                    (PRAE-) PRAECIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4; Conservative
                                                                                                                                                                                                                                                                                             Benjamin H,
                                                                                                                                                                                                                                                          Findeis MA, Bengarian
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-131767/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5 AA;
                                  07-JUN-1995;
27-OCT-1995;
14-MAR-1996;
   14-MAR-1995;
```

us-10-009-122-6.rag

```
01-OCT-2003; 2003WO-US030930.
                                                                                                                                                                          01-OCT-2002; 2002US-0415074P
                                                                                                                                                                                                                                                                                                                                       neurons or Down's syndrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                   (NOUN ) UNIV NORTHWESTERN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                              Krafft GA,
Summa D;
                                                                                                                                                                                                                                                                     WPI; 2004-330196/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exemplification of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                             WO2004031400-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004052773-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5 AA;
                                                                 Unidentified
                                                                                                                       15-APR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-SEP-2004
                                                                                                                                                                                                                                             Chromy B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADP64923;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                               Klein W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADP64923
  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to amyloidogenic proteins or peptide fragments aggregation modulators. The invention is used for treating disorder aggregation modulators. The invention is used for treating disorder aggregation modulators. The invention is used for treating disorder associated with amyloidosis, batterial amyloid cardiomyopathy (Portuguese, Japanese and Swedish types), familial amyloid cardiomyopathy, Constituted amyloidosis, carapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Gersapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Gersapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Gersapie, bovine spongiform encephalopathy, Creutzfeldt-Jakob disease, Constitutiona, isolated atrial amyloidosis, idiopathic (primary) amyloidosis, myeloma or macroglobulinemia-associated with Sjogran's syndrome, reactive (secondary) amyloidosis, familial Mediterranean Fever and familial amyloid nephropathy with urticaria and deafness (Mucklewells syndrome), hereditary cerebral haemorrhage with amyloidosis of clelandic type, amyloidosis associated with long term haemocialysis, hereditary non-neuropathic systemic amyloidosis of Finnish type, amyloidosis of Pinnish type, amyloidosis of Pinnish type, amyloidosis associated with medullary carcinoma of the thyroid, fibringen associated hereditary renal amyloidosis and lysozyme-associated hereditary systemic camyloidosis. The present sequence is beta-amyloid peptide fragment used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                New amyloidogenic protein aggregation modulators useful for treating disorder associated with amyloidosis e.g. familial amyloid polyneuropathy, Creutzfeldt-Jakob disease and adult onset diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                            Musso G, Signer ER, Wakefield J, Reed MJ;
                                                                                                                                                                                                                                                                                 Gefter ML,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 19; DB 8; I
Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 19; DB
100.0%; Pred. No. 1.8
ive 0; Mismatches
                                                               /note= "N-terminal cholyl"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                   Example 11; SEQ ID NO 37; 52pp; English.
                                                                                                                                                                                                                                                                                 Garnick MB,
                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloid beta protein fragment #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADM97741 standard; peptide; 5 AA
                                                                                                                                                                      14-MAR-1995; 95US-00404831.
07-UUN-1995; 95US-00475579.
27-OCT-1995; 95US-00549998.
14-MAR-1996; 96US-00517267.
04-OCT-2001; 2001US-00972475.
                                                                                                                                             17-JUN-2003; 2003US-00463729
                                                                                                                                                                                                                                                     PRAE-) PRAECIS PHARM INC
                                                                                                                                                                                                                                                                                 Benjamin H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4; Conservative
                                                                                                                                                                                                                                                                                                                        WPI; 2004-131767/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVF 4
||||
2 KLVF 5
                                                                                          US2004005307-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5 AA;
                                                  Modified-site
               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUL-2004
                                                                                                                    08-JAN-2004
                                                                                                                                                                                                                                                                                Findeis MA,
                                                                                                                                                                                                                                                                                              Кавшап L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADM97741;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 49
8X4X5X8
```

ઠે 유

```
The present invention relates to a new pharmaceutical composition comprising amyloid beta-derived diffusable ligands (ADDLs) capable of generating an immune response in a host organism, where the composition is a vaccine or a composition entition or a composition or antigenic, immunogenic or act as a binding molecule when the composition is administered to a host organism. The composition, vaccine or antibodies are useful in inducing an immune response. The composition, peptides, molecules and antibodies are useful in preventing or peptides, molecules and natibodies are useful in preventing or degeneration or malfunction of neurons and in preventing or treating degeneration or malfunction of neurons and in preventing or treating Down's syndrome. The present sequence is a polypeptide shown in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New amyloid beta-derived diffusable ligands, useful in generating an immune response and in preventing, ameliorating or treating Alzheimer's disease, memory and learning deficits, degeneration or malfunction of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              spherical nanostructure; tubular nanostructure; field emitter device; nanoscale environment; electron emission lithography; memory cell; mechanical transmission device; electronic inverter; heat transfer device; electron emission; beta-amyloid; central aromatic core structure; nanotube self-assembly; Alzheimer's disease; beta-amyloid core recognition element.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
immunostimulant; neuroprotective; nootropic; Alzheimer's disease; Down's syndrome; vaccine; amyloid beta; ADDL; amyloid beta-derived diffusable ligand.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lambert M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beta-amyloid central core structure amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gong Y, Viola K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 19; DB 8; Le
100.0%; Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 41; 176pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADP64923 standard; protein; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chang L,
```

```
The present invention describes a tubular of spherical nanostructure composed of peptides including no more than 4 aromatic or polyaromatic composed of peptides including no more than 4 aromatic or polyaromatic amino acids. Also described: [1] a method of generating a tubular or spherical nanostructure; [2] a field emitter device; [3] a device for obtaining information from a nanoscale environment; [4] an apparatus for electron emission lithography; [5] a memory cell; [6] a mechanical transfering information from a nanoscale environment; [9] a heat transfer device; [10] a method of emitting electrons; and [11] a method of con be used in a field emitter device; [8] a composition; [9] a heat transfer device; [10] a method of emitting electrons; and [11] a method of emitting electrons; and [11] a method of emitting electrons; and memory cell, a mechanical transmission device, an electronic inverter, and a matrix-containing composition. It is used in emitting electrons, in obtaining information from a nanoscale environment, in recording binary information from a nanoscale environment, in manipulating nanoscale objects, and motion, grabbing and/or in manipulating nanoscale objects, and transferring heat. The nanostructure is highly robust under extreme pheneratures. It enhances electromagnetic fields near ultra small memory material objects.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                metal objects. The use of nanostructure as gates in electronic device allows operation at low gate voltage and enables the switching of several individual devices on the same substrates. The present sequence represents a beta-amyloid central aromatic core structure amino acid sequence, which is used in an example from the present invention for the nanotube self-assembly of Alzheimer's beta-amyloid core recognition
                                                                                                                                                                                                                                                                                                                                              Tubular of spherical nanostructure for e.g. use in obtaining information from nanoscale environment, is composed of peptides including aromatic or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 19; DB 8; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.88+06;
Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                            (UYRA-) UNIV RAMOT AT TEL AVIV LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Fig 9a; 94pp; English.
                                                                    09-DEC-2003; 2003WO-IL001045.
                                                                                                                    09-DEC-2002; 2002US-0431709P.
                                                                                                                                                                                                                                                                                                                                                                                                      polyaromatic amino acids.
                                                                                                                                                                                                                                                                                                   WPI; 2004-480855/45.
                                                                                                                                                                                                                                                 Reches M, Gazit E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5 AA;
                     24-JUN-2004.
```

Search completed: March 9, 2005, 06:27:34 Job time : 43.6301 secs

ò g

ö

0; Gaps

Run on:



Sequence BETA-AMYLOID TOXICITY COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IB PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/970,833 US-09-242-724-30 US-09-242-724-31 US-09-242-724-31 US-08-617-267C-9 US-08-617-267C-9 US-08-617-267C-9 US-08-617-267C-9 US-08-617-267C-9 US-08-617-267C-9 US-09-747-408-24 US-09-747-408-24 US-09-747-408-11 US-08-747-408-12 US-08-617-267C-9 US-08-612-785B-7 US-08-747-408-12 US-09-747-408-12 US-09-747-408-13 US-09-747-408-12 US-09-747-408-13 US-09-747-408-13 US-09-747-408-13 US-09-747-408-13 US-09-747-408-13 US-09-747-408-13 US-09-747-408-13 US-08-612-785B-5 US-08-612-785B-5 US-09-095-106A-9 US-09-095-106A-9 US-09-095-106A-9 ALIGNMENTS ATTORNEY/AGENT INFORMATION:
NAME: Baker, Jean C.
REGISTRATION NUMBER: 35,433
REFERENCE/DOCKET NUMBER: 960296.94291
TELECOMMUNICATION INFORMATION: RESULT 1
US-08-970-833-1
is Sequence 1, Application US/08970833
is Patent No. 6022859
is GENERAL INFORMATION:
APPLICANT: Kiessling, Laura L.
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 411 East Wisconsin Avenue CLASSIFICATION: 530 CITY: Milwaukee STATE: Wisconsin COUNTRY: U.S.A. Sequence 1, Appli 9, 2005, 06:11:36; Search time 10.6849 Seconds (without alignments) 27.946 Million cell updates/sec to have a being printed, Description Sequence Pred. No. is the number of results predicted by chance to h score greater than or equal to the score of the result bein and is derived by analysis of the total score distribution. 513545 Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/pcTUS_COMB.pep:* 5.1.6 Compugen Ltd US-08-970-833-1 US-08-664-379B-17 US-09-747-408-6 US-09-747-408-14 US-08-12-785B-10 US-08-12-785B-10 US-08-970-833-2 US-08-970-833-2 US-08-970-833-2 US-08-17-267C-10 US-09-242-724-25 US-09-242-724-25 US-09-242-724-25 US-09-242-724-25 US-09-106A-11 US-09-095-106A-13 US-09-095-106A-13 US-09-095-106A-13 US-09-095-106A-13 US-09-095-106A-13 US-09-747-408-16 PCT-US94-14075-15 US-08-612-785B-9 US-08-612-785B-9 US-08-612-7858-31 US-08-664-3798-19 US-08-703-675C-31 US-08-703-675C-44 US-08-703-675C-44 US-09-242-724-24 Total number of hits satisfying chosen parameters: 513545 segs, 74649064 residues SUMMARIES GenCore version (c) 1993 - 2005 Minimum Match 0% Maximum Match 100% Listing first 65 summaries protein search, using sw model Gapop 10.0 , Gapext 0.5 length: 0 length: 2000000000 US-10-009-122-6 19 Length Copyright 1 KLVF 4 **BLOSUM62** March Query 0000000000000000000 000... 99 99 000000 80 001 001 001 88 Post-processing: seg Perfect score: Scoring table: \$ Score OM protein Minimum DB Maximum DB Sequence: Database

Result No.

Appl Appli A

ò g

```
Sequence 25, Application US/09095106A
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 4; Conservative 0
                                         GENERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
COGGANISM: Homo sapiens
US-09-747-408-6
                                                                                                                                                                                                                                                                                                                                                                                                 GREANISM: Amyloidosis
US-09-095-106A-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-747-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 177, Application US/08664379B
Sequence 170. 6034211
GENERAL INFORMATION:
APPLICANT: Kelly, Jeffery W,
APPLICANT: Felly, Jeffery W,
STREEF: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                   100.0%; Score 19; DB 3; Length 4; 100.0%; Pred. No. 4.1e+05; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REFERENCE/DOCKET NUMBER: 08435/003001
TELECOMMUNICATION INFORMATION:
TELEPAX: 617-542-8906
TELEFAX: 617-542-8906
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: U.S.A.
CONDUTER: BASABABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastESD Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/664,379B
FILING DATE: 14-UN 1996
FILING DATE: 100,018,925
FILING DATE: 03-UN-1996
ATTORNEY/AGENT INFORMATION:
                 (414) 277-5709
                                 TELEFAX: (414) 271-3552
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino acids
                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , MOLECULE TYPE: peptide US-08-664-379B-17
                                                                                                        TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                  1 KLVF 4
                                                                                                                                                                                                                                                                                                                                        1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
                 TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-664-379B-17
                                                                                                                                                                                     US-08-970-833-1
```

RESULT 3 US-09-095-106A-25

ò g

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
APPLICANT: TJERNBERG, Lars O.
APPLICANT: TERRINGS, Lars
APPLICANT: TERRINGS, Lars
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
FILE REFERENCE: 000500-124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 19; DB 3; Length 4;
Pred. No. 4.1e+05;
Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 14, Application US/09747408
; Sequence 14, Application US/09747408
; GENERAL INFORMATION:
; APPLICANT: Gervais, Francine
; TITLE OF INVENTION: Compounds And Methods For Modulating
; TITLE OF INVENTION: Cerebral Amyloid Angiopathy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 19; DB 4; L
100.0%; Pred. No. 4.1e+05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/095,106A CURRENT APPLICATION NUMBER: US 66/009,386 PRIOR APPLICATION NUMBER: US 66/009,386 PRIOR APPLICATION NUMBER: US 66/009,386 PRIOR APPLICATION NUMBER: PCT/SE96/01621 PRIOR PILING DATE: 1995-12-09 ANUMBER.OR SEQ ID NOS: 444 (SEQ ID NOS: 442 OF SEQ ID NOS: 450 OF SEQ ID NOS: 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
```

ઠે d

```
Sequence 10, Application US/08612785B
; Settent No. 5854204
; GENERAL INFORMATION:
; APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: AB Peptides that Modulate b-Amyloid
; TITLE OF INVENTION: Aggregation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/08970833
Patent No. 6022859
GENERAL INFORMATION:
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA-AMYLOID TOXICITY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSER: Quarles & Brady
STREET: 411 East Wisconsin Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 19; DB 2; ]
Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFCATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-WAR-1995
FILING DATE: 14-WAR-1995
FILING DATE: 07-UN-1995
FILING DATE: 07-UN-1995
FILING DATE: 07-UN-1995
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONNEY, AGENT INPORMATION:
NAME: DECORTI, GIULIO A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
TELECOMMUNICATION: (617)227-7400
                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (617)742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
4; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
   KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVF
                                                                                                                     US-08-612-785B-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-612-785B-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-970-833-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 8
유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 19; DB 4; Length 4; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 100.

CITY: Duarte

STATE: California

COUNTRY: United States of America

ZIP: 91010-0269

COMPUTER READABLE FORM:

MEDIUM TYPE: 3M Double Density 5 1/4" diskette

COMPUTER: Wang PC

OPERATING SYSTEM: MS DOS Version 3.20

SOFTWARE: Microsoft

CORPUTER: Microsoft

CORPUTARE: Microsoft

SOFTWARE: Microsoft

CORPUTARE: Microsoft

CORPUTARE: Microsoft

SOFTWARE: Microsoft

CORPUTARE: Micro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Amnestic Effects of Amyloid n
TITLE OF INVENTION: Quality of Life in Individuals
TITLE OF INVENTION: With Alzheimer Disease
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
100.0%; Score 19; DB 1; L
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                        NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 14
LENGTH 4
                         CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15, Application US/08127904
Patent No. 5470951
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: City of Hope
1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   paservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: No. 5470951e
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
FILE REFERENCE: NBI-088
                                                                                                                                                                                                                                                                       TYPE: PRT ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: Amino
STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 6
US-08-127-904-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-127-904-15
                                                                                                                                                                                                                                                                                                                                       US-09-747-408-14
```

ö

Gaps

ö

Length 5;

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                     .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Solomon, Michael E.
APPLICANT: Rich, Daniel H.
TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor FILE REFERENCE: Cyclosporin Analogs
FILE REFERENCE: Cyclosporin Analogs
CURRENY APPLICATION NUMBER: US/09/242,724
CURRENY FILING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 33
SSCTWARE: Patentin Ver. 2.0
SEQ ID NO 25
LENGTH: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Solomon, Michael E.
APPLICANT: Rich, Daniel H.
TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor UNRENT PAPLICATION NUMBER: US/09/242,724
CURRENT FILING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 26
                                                                                                                                                                                                                                                                                                                                                           Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 19; DB 3; I
100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 19; DB 3; 100.0%; Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                         NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REPERBICE, DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 25, Application US/09242724; Patent No. 6316405; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-242-724-26; Sequence 26, Application US/09242724; Patent No. 6316405
                                                                                                                                                   TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                               , MOLECULE TYPE: peptide
US-08-703-675C-46
                                                                                                                                                                                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: : US-09-242-724-25
                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVF 4
FILING DATE:
ATTORNEY/AGENT
                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-242-724-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 19; DB 3; Length 5; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 9
US-08-703-675C-46

US-08-703-675C-46

Sequence 46, Application US/08703675C

Patent No. 6303567

RENERAL INFORMATION:

APPLICANT: Findeis, Mark A. et al.

TILLE OF INVENTION:

MONBER OF SEQUENCES: 46

CORRESPONDENCE ADDRESS:

ADDRESSPEN: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA
                                    COUNTRY: U.S.A.

ZIP: 53202-4497

COMPUTER READBLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OOPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,833
FILING DATE:
CLASSIFICATION: 530
ATYONEY/AGENT INFORMATION:
NAME: BAKET JOHN NUMBER: 35,433
REGISTRATION NUMBER: 35,433
REFERENCE/DOCKET NUMBER: 35,433
REJERENCE/DOCKET NUMBER: 35,735
INFORMATION ET (414) 277-5709
ITELEPAK: (414) 277-5709
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
LENGTH: 5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYEE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
CLASSIFICATION: 514
PRICK APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
RILNG DATE: 14-MAR-1995
PRICK APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FRICK APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FRILNG DATE: 07-4UN-1995
FRILNG DATE: 27-0CT-1995
FRILNG DATE: 27-0CT-1995
FRILNG DATE: 27-0CT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/616,081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                         Wisconsin
Milwaukee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-970-833-2
```

à

```
Sequence 37, Application US/08617267C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                OTHER INFORMATION: ACETYLATION, K(2C1-Cbz) = OTHER INFORMATION: 2-chlorobenzyloxycarbonyl-protected lysine US-09-242-724-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-617-267C-10

18-504-112

US-08-617-267C-10

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-604-112

18-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 19; DB 3; Length 5; 100.0%; Pred. No. 4.1e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                             100.0%; Score 19; DB 3; Length 5; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PPI-002CP2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: DeConti, Giulio A. REGISTRATION NUMBER: 31,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: PP
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (617) 227-7400
                                                                                                                                                                                                                                                                                     4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                                                                                                                                                                                                                                      Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 4; Conserv
NAME/KEY: MOD_RES
LOCATION: (1)
                                                                                                                                                                                                                                                                                                                                                  1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-617-267C-10
                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                               유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
```

RESULT 13 US-08-617-267C-37

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1, Application US/09095106A
Patent No. 6331440
GENERAL INFORMATION:
APPLICANT: NASLUND, Jan
APPLICANT: TYBERG, Johan
APPLICANT: TERRUBEG, Lars O.
APPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 19; DB 3; Length 5; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
Patent No. 6319498
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TILE OF INVENTION:
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR.1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USN 08/404,831
FILING DATE: 14-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECORT; Giulio A:
REFERENCE/DOCKET NUMBER: 91-002CP2
REFERENCE/DOCKET NUMBER: 91-002CP2
TELECOMMUNICATION INFORMATION:
NAME: DECORT; Giulio A:
REFERENCE/DOCKET NUMBER: 91-002CP2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/095,106A CURRENT FILING DATE: 1998-06-10 PRIOR APPLICATION NUMBER: US 60/009,386 PRIOR FILING DATE: 1995-12-29 PRIOR APPLICATION NUMBER: PCT/SE96/01621 PRIOR PILING DATE: 1996-12-09
                                                                                                                                                                                                                                                                                              ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 02109-1875
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                           STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 KĽVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-095-106A-1
```

. 0

```
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: US/09/747,408
CURRENT APPLICATION NUMBER: 00/0-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 2000-12-23
NUMBER OF FILING DATE: 1999-12-33
NUMBER OF SEQ ID NOS: 24
SEQ 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-747-408-16

Sequence 16, Application US/09747408

Sequence 16, Application US/09747408

Patent No. 6670399

GENERAL INFORMATION:

APPLICANT: Green, Allan M.

TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Cerebral Amyloid Angiopathy;
FILE REFERENCE: NBI-088

CURRENT APPLICATION NUMBER: US/09/747,408

CURRENT FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-12-23

PRIOR FILING DATE: 2009-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 19; DB 4; Length 5; Best Local Similarity 100.0%; Pred. No. 4.1e+05; Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                        h Similarity 100.0%; Score 19; DB 3; Length 5; Similarity 100.0%; Pred. No. 4.1e+05; 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 19; DB 4; I
100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 17
US-09-747-408-8
'Sequence 8, Application US/09747408
'Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CRGANISM: Homo sapiens
US-09-747-408-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-43
                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-747-408-8
                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19, Application US/09095106A
Sequence 19, Application US/09095106A
Setent No. 6331440
GENERAL INFORMATION;
APPLICANT: NORDSTEDT, Christer
APPLICANT: NORDSTEDT, Christer
APPLICANT: THYBERG, Jars
APPLICANT: THYBERG, Jars O.
APPLICANT: TERRINGS, Lars O.
APPLICANT: THYBERGO, LARS O.
APPLICANT THYBERGO, LARS O.
APPLICANT THYBERGO, LARS O.
APPLICANT THYBERGO, LARS O.
APPLICANT THYBERGO, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 16
US-09-095-106A-43
; Sequence 43, Application US/09095106A
; Patent No. 6331440
; GENERAL INFORMATION:
; APPLICANT: NORSUND: Jan
APPLICANT: THYBERG, Johan
; APPLICANT: THYBERG, Johan
; APPLICANT: THYBERG, Johan
; APPLICANT: TERENIUS, Lars 0.
; TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
; TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
; TITLE OF PRESENCE: 000500-124
; CURRENT FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US/09/095,106A
; PRIOR APPLICATION NUMBER: US/09/095,106A
; PRIOR PELING DATE: 1996-12-29
; PRIOR FILING DATE: 1996-12-09
; PRIOR FILING DATE: 1996-12-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

100.0%; Score 19; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                              Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                       . 4.1e+05;
ches 0; Indels
                                                                                                                                                                                                                                                                                                                                                              DB 3;
                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 19; DB
100.0%; Pred. No. 4.1
Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 43
         NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
CORGANISM: Amyloidosis
US-09-095-106A-19
                                                                                                                                                                                 TYPE: PRT
, ORGANISM: Amyloidosis
US-09-095-106A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-095-106A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

ö

Gaps

;

ö

Gaps

;

a

```
Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 9, Application US/08612785B
Patent No. 5854204
GENERAL INFORMATION:
TITLE OF INVENTION: APPLICAR:
TITLE OF INVENTION: Aggregation
TITLE OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 19; DB 2; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                            CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR.1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-VJU-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-VJU-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/612,785B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
28 State Street, Suite 510
                                                                                   ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE, DOCKET NUMBER: PP:
TELECOMMUNICATION: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.0
                                          STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-612-785B-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 21
US-08-612-785B-9
                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Aggregation
NUMBER OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 19; DB 5; I
100.0%; Pred. No. 4.1e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA: U. S. Application
PRIOR APPLICATION DATA: Serial No.
PRIOR APPLICATION DATA: Serial No.
PRIOR APPLICATION DATA: 08/127,904; filed
PRIOR APPLICATION DATA: 29 September 1993
ATTORNEY/AGENT INFORMATION:
NAME: Irons. Edward S.
RECISTRATION NUMBER: 16,541
REFERENCE/DOCKET NUMBER: None
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 626-3564 or 783-6030
TELEPRAS: (202) 783-6031
                                                                                                                                                                                                   Antagonizing Amnestic
Effects of Amyloid n
Protein and Improving
the Quality of Life
in Individuals
                                                                                                                                                                                                                                                                                                                      With Alzheimer Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4"
MEDIUM TYPE: diskette
COMPUTER: Wang PC
OPERATING SYSTEM: MS DOS Version 3.20
SOFTWARE: Microsoft
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/10475
FILING DATE: 16 September 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Duarte
STATE: California
COUNTX: United States of America
ZIP: 91010-0269
                                                                                                         Sequence 15, Application PC/TUS9410475 GENERAL INFORMATION:
                                                                                                                                                                    TITLE OF INVENTION: Actagonizing A TITLE OF INVENTION: Actagonizing A TITLE OF INVENTION: Effects of Amy TITLE OF INVENTION: Effects of Amy TITLE OF INVENTION: the Quality of TITLE OF INVENTION: in Individuals TITLE OF INVENTION: with Alzheimer NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
STREET: 1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/08612785B Patent No. 5854204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (202) 783-6031
TELEX: None
INPORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: Unknown
PCT-US94-10475-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-612-785B-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 20
```

ઠે 윱

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
0
                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 1...1
OTHER INFORMATION: wherein Xaa at position 1 is Ornithine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 23
US-08-664-379B-19
US-08-664-379B-19
Sequence 19, Application US/08664379B
PATENT NO. 6034211
GENERAL INFORMATION:
APPLICANT: Kelly, Jeffery W.
APPLICANT: Kelly, Jeffery W.
TILLE OF INVENTION: BETA-SHEET NUCLEATING PEPTIDOMIMETICS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                   Length 6;
                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                              Query Match
100.0%; Score 19; DB 2; I
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                                                                           ), OTHER INFORMATION: /note= Xaa is beta-alanyl US-08-612-785B-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WILLIAM ACADADE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ VERSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/664,379B
FRIUNG DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/018,925
FILING DATE: 103-JUN-1996
ATTORNEY AGENT INCORMATION:
NAME: Freeman, John W.
REDISTRATION NUMBER: 29,066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08435/003001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 0843
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-8070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 19:
    31:
                                                                                                                                                                      NAME/KEY: Modified site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : 6 amino acids
amino acid
GY: linear
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                 : 6 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U.S.A. ZIP: 02110-2804
                                                                                                                                                                                                                                                                                                                                                                                      1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-664-379B-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 31, Application US/08612785B
; Sequence 31, Application US/08612785B
; Patent No. 5854204
; GENERAL INFORMATION:
APPLICANTE Findeis, Mark A. et al.
TITLE OF INVENTION: AB Peptides that Modulate b-Amyloid
TITLE OF INVENTION: AB Peptides that Modulate b-Amyloid
TITLE OF INVENTION: AB PEPTIDES:
CORRESPONDENCES: 40

CORRESPONDENCES: 40

CONTRY: 28 State Street, Suite 510
STREET: 28 State Street, Suite 510
STREET: 28 State Street, Suite 510
STREET: Basachusetts
COUNTRY: USA
ZIP: 02109-1875
ZOTAMER READALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READALE FORM:
MEDIUM TYPE: Propsy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION NUMBER: USSN 08/404,831
FILING DATE: HARA-1995
RIGH DATE: A-MAR-1995
FILING DATE: 20-JUN-1995
FILING DATE: 27-CCT-1995
ATPONEY, AGENT INVERRATION:
NAME: DeCORTI NORMER: PI-0-0-2029
FELICATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PI-0-0-2029
TELECOMMUNICATION INVERRE: PPI-0-0-2079
TELECOMMUNICATION INVERSE: PPI-0-0-2079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Scc...
100.0%; Pred. No. :...
0; Mismatches
    APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTONEY FABRATION:
NAME: DeConti, Giulio A.
RECISTRATION NUMBER: 31,503
RECISTRATION NUMBER: 31,503
RECISTRATION NUMBER: 31,503
TELECHONE: (617)227-7400
TELECHONE: (617)227-7400
TELECHONE: (617)227-7400
TELECHONE: (617)227-7400
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (617)742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , MOLECULE TYPE: peptide US-08-612-7858-9
                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
```

ò g ; 0

```
Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                 ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: PLOPPY disk
COMPUTER: PR PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 44, Application US/08703675C
Patent No. 6103567
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES: 46
CORRESPONDENCES:
ADDRESSEE: LAHIVE & COCKPIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR.1996
ATTORNEY, AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REFERNCE/DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Ve CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C FILING DATE: 27-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Conservative
Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-703-675C-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-703-675C-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                        Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                           Sequence 31, Application US/08703675C
Patent No. 6303567
GENERAL INFORMATION:
APPLICANT: FINENTION:
TITLE OF INVENTION: Modulators of -Amyloid Peptide NUMBER OF SEQUENCES: 46
CORRESSEDNDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STRRET: 28 State Street
CITY: BOSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 32, Application US/08703675C
Patent No. 6103567
GENERAL INFORMATION:
TITLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 19; DB 3; I
100.0%; Pred. No. 4.1e+05;
cive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 21-AUG-1596
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION NUMBER: USSN 08/616,081
FILING DATE: 14-MAR-1996
ATTORNEY AGENT INFORMATION:
NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REGISTRATION NUMBER: 41,106
REGISTRATION NUMBER: 41,106
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      Massachusetts
: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear

MOLECULE TYPE: peptide
US-08-703-675C-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 25
US-08-703-675C-32
                                                 US-08-703-675C-31
                                                                                                                                                                                                                                                                                                                                                                            CITY: BOE
STATE: Ma
COUNTRY:
```

ઠે 셤

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: K(2C1-Cbz) = 2-chlorobenzyloxycarbonyl-protected OTHER INFORMATION: lysine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30, Application US/09242724
; Sequence 30, Application US/09242724
; Patent No. 6316405
; GENERAL INFORMATION;
APPLICANT: Solomon, Michael E.
; APPLICANT: Rich, Daniel H.
; TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor FILE REPERENCE: Cyclosporin Analogs
; CURRENT APPLICATION NUMBER: US/09/242,724
; CURRENT FILING DATE: 1999-02-22
; NUMBER OF SEQ ID NOS: 33
; SEQ ID NO 30
; SEQ ID NO 30
; LENGTH: 6
                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: polypeptide NAME/KEY: MOD_RES LOCATION: (1)—COTHER INFORMATION: ACETYLATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Solomon, Michael E.

APPLICANT: Rich, Daniel H.

TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor FILE REFERENCE: Cyclosporin Analogs
CURRENT APPLICATION NUMBER: US/09/242,724

CURRENT FILING DATE: 1999-02-22

NUMBER OF SEQ ID NOS: 33

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 27

LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 19; DB 3; I
100.0%; Pred. No. 4.1e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 31, Application US/09242724; Patent No. 6316405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                       TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Solomon, Michael
APPLICANT: Rich, Daniel H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 30
US-09-242-724-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-242-724-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-242-724-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-242-724-24

i Sequence 24, Application US/09242724

i Sequence 24, Application US/09242724

i Patent No. 6316405

i GENERAL INFORMATION:

i APPLICANT: Solomon, Michael E.

APPLICANT: Rich, Daniel H.

i TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor

FILE REFERENCE: Cyclosporin Analogs

CURRENT FILING DATE: US/09/242,724

CURRENT FILING DATE: 1999-02-22

NUMBER OF SEQ ID NOS: 33

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 24

LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05; winmarches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 6
; OTHER INFORMATION: /note= Xaa is beta-alanyl US-08-703-675C-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
100.0%; Score 19; DB 3;
Best Local Similarity 100.0%; Pred. No. 4.1e+05
Matches 4; Conservative 0; Mismatches 0
                        FILLING DATE: 14-MAR-1995
PRIOR APPLICATION DATR: 1995
PRIOR APPLICATION DATR: 1995
FILLING DATE: 07-UUN-1995
FILLING DATE: 07-UUN-1995
PRIOR APPLICATION DATR: 058N 08/48,998
FILLING DATE: 27-0CT-1995
PRIOR APPLICATION DATR: 058N 08/616,081
FILLING DATE: 14-MAR-1996
ATTORNEY/AGENT INFORMATION: REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET NUMBER: 41,106
REFERENCE/DOCKET NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
            USSN 08/404,831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 28
US-09-242-724-27
; Sequence 27, Application US/09242724
                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: Modified site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-242-724-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
```

ò 셤

ö

ö

ò 셤

```
ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ద
                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-05-242-724-33

Sequence 33, Application US/09242724

Fatent No. 6316408

GENERAL INFORMATION:

APPLICANT: Solomon, Michael E.

APPLICANT: Rich, Daniel H.

TITLE OF INVENTION: Cyclosporin A Conjugates and Uses Therefor

FILE REFERENCE: Cyclosporin Analogs

CURRENT FILING DATE: 1999-02-22

NUMBER OF SEQ ID NOS: 33

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 33

LENGTH: 6
                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-09-242-724-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) OTHER INFORMATION: Description of Artificial Sequence: synthetic; CTHER INFORMATION: polypeptide US-09-242-724-33
CURRENT APPLICATION: Cyclosporin A Conjugates and Uses Therefor; CURRENT APPLICATION NUMBER: US/09/242,724; CURRENT FILING DATE: 1999-02-22; NUMBER OF SEQ ID NOS: 33

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 31

LENGTH: 6

TYPET.:
                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 19; DB 3; Length 6; Best Local Similarity 100.0%; Pred. No. 4.1e+05; Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/08617267C
Patent No. 6319498
GENERAL INFORMATION
APPLICANT Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES:
CORRESPONDENCES:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 01.09-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-617-267C-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
PILING DATE: 14-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USN 08/404,831
PILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USN 08/475,579
FILING DATE: 10-MAR-1995
PRIOR APPLICATION NUMBER: USN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONTI, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: 1503
REFERENCE/DOCKET NUMBER: 1503
REFERENCE/DOCKET NUMBER: 1503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMULCATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 19; DB 3; 100.0%; Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
APPLICATION NUMBER: USSN 08/548,998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: LAHIVE & COCKFIELD, LLP STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 9, Application US/08617267C; Patent No. 6319498; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: DeConti, Giulio A. REGISTRATION NUMBER: 31,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear

MOLECULE TYPE: peptide
US-08-617-267C-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-617-267C-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 33
```

```
Best Local Similarity 100.0%; Pred. No. 4.1e+05; Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-617-267C-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
4; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KLVF 5
                                                                              1 KLVF 4
                                                                                                                                                                                                     RESULT 35
US-08-617-267C-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 36
US-09-095-106A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                   ઠ
                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                          ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 31, Application US/08617267C
; Sequence 31, Application US/08617267C
; Patent No. 631949B
; GENERAL INFORMATION:
    APPLICANT: Findeis, Mark A. et al.
    TITLE OF INVENTION:
    Modulators of Amyloid Aggregation
    TITLE OF INVENTION:
    MODRESSEE: LAHIVE & COCKFIELD, LLP
    STREET: 28 State Street
    CITY: Boston
    STATE: Massachusetts
                                                                                                                                                                                                                                                                                      100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.18+05; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIE: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: 6
CTHER INFORMATION: /note= Xaa is beta-alanyl US-08-617-267C-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATE:

APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
FILING DATE: 14-MAR-1995
FILING DATE: 10-MAR-1995
FILING DATE: 07-UNM-1995
FILING DATE: 07-UNM-1995
FILING DATE: 07-UNM-1995
ATTONNEY/AGENT INFORMATION:
NAME: Decont1, Giulio A.
REFERENCE/DOCKET NUMBER: 31,503
REFERENCE/DOCKET NUMBER: 31,503
REFERENCE/DOCKET NUMBER: 91,503
            REFERENCE/DOCKET NUMBER: PPI-002CP2 TELECOMMUNICATION INFORMATION: TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                      TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Modified site
                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide FEATURE:
                                                                                                                                                                                      TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 34
US-08-617-267C-31
                                                                                                                                                                                                                                                               US-08-617-267C-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
```

100.0%; Score 19; DB 3; Length 6;

Query Match

```
ô
ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
.
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05; ative 0; Mismatches 0; Indels
      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 43, Application US/08617267C

Patent No. 6319498

GENERAL INFORMATION:
GENERAL INFORMATION:
MUMBER OF SEQUENCES:
CORRESPONDENCES:
ADDRESSER:
ADDRESSER:
ADDRESSER:
ATTLE OF INTERPRESS:
CORRESPONDENCES:
ADDRESSER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPREX: USA

COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SUSTWARE: Patentin Release #1.0, Version #1.25
SUSTWARE: Patentin Release #1.0, Version #1.25
SUSTWARE: 14-MRR-1996
PILING DATE: 14-MRR-1996
PILING APPLICATION NUMBER: USSN 08/404,831
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: PPI-002CP2
TELEPHONE: (617)227.7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/09095106A; Patent No. 6331440; GENERAL INFORMATION: APPLICANT: NORDSTEDT, Christer.; APPLICANT: NASLUND, Jan APPLICANT: THYBERG, Johan
```

```
; ORGANISM: Homo sapiens
US-09-747-408-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-747-408-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-005-106A-15

Sequence 15, Application US/09095106A

Patent No. 6313440

GENERAL INFORMATION:

APPLICANT: NORDSTEDT, Christer

APPLICANT: TYBERG, Johan

APPLICANT: TYBERG, Johan

APPLICANT: TERRNIUS, Lars O.

PRIOR REPLICATION NUMBER: US 60/009, 386

PRIOR APPLICATION NUMBER: PCT/SE96/01621

PRIOR PILING DATE: 1996-12-09

NUMBER OF SEQ ID NOS: 44

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NOS: 44

LENGTH. C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
APPLICANT: TJERNBERG, Lars O.
APPLICANT: TERRINIS, Lars
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
FILE REFERENCE: 000500-124
CURRENT APPLICATION NUMBER: US/09/095,106A
CURRENT FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: PS 60/009,386
PRIOR PILING DATE: 1995-12-29
PRIOR PILING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE PARENTIN VET: 2.0
SEQ ID NO 5
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 19; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/09747408
Patent No. 6670399
GENERAL INFORMATION:
APPLICANT: Geren, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REPERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 19; DB 3; I
100.0%; Pred. No. 4.1e+05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVF 4
||||
2 KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 KLVF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
0
                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 11, Application US/09747408
; Sequence 11, Application US/09747408
; Patent No. 6670399
; GENERAL INFORMATION:
; APPLICANT: Gereen, Allan M.
; APPLICANT: Gereen, Allan M.
; TITLE OF INVENTION: Compounds And Methods For Modulating; TITLE OF INVENTION: Cerebral Amyloid Angiopathy; FILE REPRENCE: NB1-088
; CURRENT FILING DATE: 1998
; CURRENT FILING DATE: 1999-12-22
; PRIOR FILING DATE: 1999-12-23
; NUMBER: OF SEQ ID NOS: 24
; SOFTWARE: FREESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 24, Application US/09747408
Fatent No. 6670399
GENERAL INPORMATION:
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: US/09/747,408
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
FRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 24
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 19; DB 4; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                        Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                   100.0%; Score 19; DB 4; 100.0%; Pred. No. 4.1e+05; ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 6
                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4; Conservative
                                                                                                                                                        TYPE: PRT
CRGANISM: Homo sapiens
US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best_Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                             1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                       1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVF 4
```

```
Sequence 7, Application US/08612785B
; Sequence 7, Application US/08612785B
; Patent No. 5854204
; GENERAL INFORMATION:
APPLICANT: Findels, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
CITY: BOSTON
                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: RADABLE FORM:
MEDIUM TYPE: RADABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
PRICK APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR.1995
PRICK APPLICATION NUMBER: USSN 08/475,579
FRICK APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FRICK APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FRICK APPLICATION NUMBER: USSN 08/548,998
FRICK APPLICATION NUMBER: 31,503
REFERENCE/POCKET NUMBER: PPI-002CP3
TELERDOME: (617)227-7400
TELERDOME: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: MASACHEBELES.

ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIDLE
OFFRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 19; DB 2; I
100.0%; Pred. No. 4.1e+05;
Live 0; Mismatches 0;
E: LAHIVE & COCKFIELD
28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                 Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amino acid
                        STREET: 28 St
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVF 4
                                                                                            USA
    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-612-785B-6
                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                  ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 19; DB 1; Length 7; 100.0%; Pred. No. 4.1e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application US/08612785B
Patent No. 5854204
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: AD Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
  100.0%; Score 19; DB 4; Length 6; 100.0%; Pred. No. 4.1e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                          APPLICANT: Engene Roberts
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Procein and Improving the
TITLE OF INVENTION: Quality of Life in Individuals
TITLE OF INVENTION: Quality of Life in Individuals
TITLE OF INVENTION: With Alzheimer Disease
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: City of Hope
STREET: 1500 East Duarte Road
CITY: Duarte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: California
COUNTRY: United States of America
ZIP: 91010-0269
COMPUTER: SEADABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4" diskette
COMPUTER: Wang PC
OPERATING SYSTEM: MS DOS Version 3.20
SOFTWARE: Microsoft
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/127,904
FILNG APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
NAME: Irons, Edward S.
REGISTRATION NUMBER: 16,541
REFERENCE/DOCKET NUMBER: No. 5470951e
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                       Sequence 14, Application US/08127904
Patent No. 5470951
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: No. 547091e
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 4; Conservative
    Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: Amino Acid STRANDEDNESS:
                                                                                                1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVF 4
                                                                                                                                            KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-612-785B-6
                                                                                                                                                                                                                                        US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                ò
                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

Gaps ..

Length 7; Indels

```
Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 19; DB 3; Length 7; 100.0%; Pred. No. 4.1e+05; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 19; DB 3; Length 7; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA

ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FLING DATE: 27-ANG-1996
CLASSIFICATION NUMBER: US/08/703,675C
FLING DATE: 14-MAR-1995
RIOR APPLICATION NUMBER: US/08/08/404,831
FILING DATE: 14-MAR-1995
RIOR APPLICATION NUMBER: US/N 08/475,579
FILING DATE: 07-JUN-1995
RIOR APPLICATION NUMBER: US/SN 08/548,998
FILING DATE: 27-OCT-1995
RIOR APPLICATION NUMBER: US/SN 08/548,998
FILING DATE: 14-MAR-1995
RIUNG APPLICATION NUMBER: US/SN 08/56,081
FILING DATE: A-MAR-1995
RIUNG APPLICATION NUMBER: US/SN 08/56,081
FILING DATE: A-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Kata, Catherine J.
REGISTRATION NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION NUMBER: PPI-016CP2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 30, Application US/08703675C
Patent No. 630367
GENERAL INFORMATION:
APPLICANT: Finders, Mark A. et al.
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CIIY: Boston
STATE: Massachusetts
          TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                      TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 30: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity luv.
                                                                                                                                                                                                                                   ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-703-675C-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                          amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 19; DB 2; Length 7; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PERMERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
APPLICANT: Findeis, Mark A. et al.
APPLICANT: Findeis, Mark A. et al.
APPLICANT: Findeis, Mack A. et al.
ALLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES: 46
CORRESSER: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: BOSTON
STATE: MASSACHUSELTS
COUNTRY: USA
CONFUTER: MASSACHUSELTS
COMPUTER: Ploppy disk
COMPUTER: PatchlIN Release #1.0, Version #1.25
COMPUTER: PatchlIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 21-AUG-1996
CLASSIFICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
FILING DATE: 17-AUG-1996
FILING DATE: 17-AUG-1996
FILING DATE: 17-AUG-1996
FILING DATE: 17-AUG-1996
FILING DATE: 17-AUN-1995
FILING DATE: 17-AUN-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                    FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: 27-GCT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                 NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
TELECHONE: (617)227-7400
TELEPHONE: (617)742-4214
INFORMATION FOR SEQ ID NO: 7
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
                                  USSN 08/404,831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 44
US-08-703-675C-29
Sequence 29, Application US/08703675C
Patent No. 6303567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
XGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1111
2 KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-612-785B-7
```

ð 셤

```
APPLICANT: Roberts, Eugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
FILE REPRENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
CURRENT FILING DATE: 1999-03-09
PRIOR FILING DATE: 1997-02-07
NUMBER OF SEQ ID NOS: 39
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 19; DB 3; Length 7; Best Local Similarity 100.0%; Pred. No. 4.1e+05; Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CUREDITY APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONIT, GAILLIO A
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION:
THE COMMUNICATION INFORMATION:
THE ENERGY OF THE COMMUNICATION INFORMATION:
THE COMMUNICATION INFORMATION:
THE ENERGY OF THE COMMUNICATION INFORMATION:
THE COMMUNICATION INFORMATION:
THE COMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 19; DB 3; I
100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-264-709A-13
; Sequence 13, Application US/09264709A
; Patent No. 6320024
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .;
0
28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617) 227-594 INFORMATION FOR SEO ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
                                          Massachusetts
: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , MOLECULE TYPE: peptide US-08-617-267C-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CORGANISM: Homo sapiens
US-09-264-709A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                          Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 19; DB 3; Length 7; 100.0%; Pred. No. 4.1e+05;
0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/08617267C

Patent No. 6319498

GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
IITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE: ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                  PATERLA INFORMATION:
APPLICANT: Findeis, Mark A. et al.
APPLICANT: Findeis, Mark A. et al.
ATITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USN 08/475,579
FILING DATE: 107-1095
PRIOR APPLICATION NUMBER: USN 08/475,579
FILING DATE: 07-701-1995
PRIOR APPLICATION NUMBER: USN 08/548,998
FILING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONTI, GIULIO A.
REGISTRATION NUMBER: 31,503
REFRENCE/DOCKET NUMBER: 31,503
REFRENCE/DOCKET NUMBER: 31,503
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                     Sequence 6, Application US/08617267C
Patent No. 6319498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (617)227-7400
TELEFAX: (617)227-7400
TELEFAX: (617)227-544
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
TENGTH: 7 amin of 7
                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 28 State Stree CITY: Boston STATE: Massachusetts COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 4; Conservative
4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02109-1875
                                                  1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVF 4
                                                                                                 2 KLVF 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-617-267C-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 47
US-08-617-267C-7
                                                                                                                                                                                                     US-08-617-267C-6
Matches
                                                  à
                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

1 KLVF 4

a

```
ö
RESULT 49

US-09-095-106A-11

Sequence 11, Application US/09095106A

Patent No. 6331440

GENERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
APPLICANT: TURRNERG, Johan
APPLICANT: TURRNERG, Lars O.
APPLICANT: 1998-06-10

PRIOR PLING DATE: 1998-06-10

PRIOR PLING DATE: 1999-12-09

PRIOR PLING DATE: 1996-12-09

NUMBER: PATENTING NAWBER: PCT/SE96/01621

NUMBER: PATENTING NAWBER: PCT/SE96/01621

SEQ ID NO 11

LENGTH: 7

LENGTH: 7

LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 50
US-09-095-106A-12
i Sequence 12, Application US/09095106A
j Patent No. 6331440
j GENERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
APPLICANT: TJERNBERG, Jana
APPLICANT: TJERNBERG, Lars O.
BRIOR PILING DATE: 1998-06-10
PRIOR PILING DATE: 1998-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIN Ver. 2.0
SEQ ID NO 12
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

100.0%; Score 19; DB 3; Length 7;

Best Local Similarity 100.0%; Pred. No. 4.1e+05;

Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 19; DB 3; L
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 KLVF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
```

Search completed: March 9, 2005, 06:43:02 Job time : 10.6849 secs

KLVF 7

.

Page

GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

March 9, 2005, 06:11:36 ; Search time 16.0274 Seconds (without alignments) 27.946 Million cell updates/sec Run on:

US-10-009-122-9 29

1 KVVFFA 6 Title: Perfect score: Sequence:

Scoring table:

BLOSUM62 Gapop 10.0 , Gapext 0.5

513545 seqs, 74649064 residues Searched:

513545 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

// cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

// cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

// cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

// cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

// cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

// cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 9, Appli		_		12	7	Sequence 2, Appli	'n,	12,	ų	10,	135		32,	6	m	Sequence 11, Appl	14,	7,	30,	Sequence 7, Appli	13,	7	18,	19,	14,	5, A
SUMMARIES	Desci	Segr	Sear	Sedi	Sear	Sedi	Segr	Segr	Sedr	Sed	Sedi	Sedi	Sedi	Segr	Sedu	Sedr	Sed	Sed	Sedi	Sedu	Sedu	Sedi	Sedu	Sedi	Sedi	Sed	Sedi	Segr
	ID	US-09-747-408-9	US-09-747-408-17	US-09-513-999C-6921	US-08-147-812-5	US-08-319-866-12	US-09-123-708-2	US-09-123-624-2	US-09-661-258-5	US-08-809-917-12	US-09-747-408-1	US-09-747-408-10	US-09-902-540-13513	US-08-612-785B-9	US-08-703-675C-32	US-08-617-267C-9	US-09-747-408-3	US-09-747-408-11	US-08-127-904-14	US-08-612-785B-7	US-08-703-675C-30	US-08-617-267C-7	US-09-264-709A-13	US-09-747-408-2	US-09-747-408-18	US-09-747-408-19	PCT-US94-10475-14	US-08-612-785B-5
	DB	4	4	4	-	7	m	m	4	4	4	4	4	7	m	m	4	4	н	~	m	٣	m	4,	4	4	Ŋ	~
	Length	9	φ	77	1144	1144	1144	1144	1144	1144	9	9	123	9	9	9	9	9	7	7	7	7	7	7	7	7	7	80
æ	Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1.00.0	100.0	9.96	96.6	9.96	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
	Score	29	29	29	29	29	29	29	29	29	28	28	28	26	26	26	26	26	26	26	26	26	26	26	26	26	26	56
	Result No.	-	8	٣	4	S	9	7	æ	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

Api	Ā	Api	Ā	Ap	Ap	Ā	Ā	Ap	Ā	Ā	Ā	Z	Ā	Ā	Ā	Ā	Ā	Ā	Ä	Ā	Ä	Ä	Ā	Ä	Ä	Api	Ā	Ā	Apj	Ā	Ā	Ā	æ	₹	₹	Æ.	Æ
٦,	28,	'n	44	'n	Ļ	64		ω,	20	21	2	N	~	N	N	~	7	~	20,	7	7	~	24	14,			25,	14,		14,				57			
Sequence	Sequence	Sequence	Sequence	Sequence	w	Sequence	ė.	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	egu	edneuc	Seguence
-08-630-645-1	-08-703-675C-	S-08-617-267C-	-09-095-106A-	-08-766-596A-	T-US96-10220-	-08-766-596A	S-09-747-408-2	-08-970-833-	-09-724-961-2	-09-724-961-2	9-724-961-2	-09-724-961-2	-09-724-961-2	-09-580-018-2	9-580-018-2	-09-580-018-2	-09-580-018-2	-09-580-018-2	-09-724-551-	09-724-551-2	09-724-551-2	09-724-551-2	09-724-551-2	08-630-645-	766-596A-	09-988-842-	09-988-842-2	-US96-1022	09-594-366-5	08-612-785B	-08-612-785B-	S-08-617-267C-1	-766-596A-5	S-08-766-596A-	S-08-766-596A-5	08-766-596A-6	-08-766-596A-6
0	m	ო	m	4	'n	4	4	m	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	N	4	4	4	ហ	4	~	7	m	4	4	4	4	4
80	œ	80	80	80	80	6	Q																		11								15	15	15	15	15
٥.	σ.	φ.	6	φ.	φ.	6	6	6	6.	φ.	δ.	φ.	٥.	٥.	٩.	φ.	٥.	٥.	φ.	о О	φ.	6	٩.	φ.	89.7	σ.	٥.	φ.	٥.	٥.	6	٩.	٥.	٥.	6	ď.	89.7
																									56												

ALIGNMENTS

	ć	
RESULT 1 US-09-747-408-9 US-09-747-408-9 Sequence 9, Application US/09747408 Pacquence 9, Application US/09747408 GENERAL INFORMATION: APPLICANT: Gerea, Allan M. APPLICANT: Gerea, Allan M. TITLE OF INVENTION: Compounds And Methods For Modulating TITLE OF INVENTION: Cerebral Amyloid Angiopathy FILE REFERENCE: US/09/747,408 CURRENT APPLICATION NUMBER: US/09/747,408 CURRENT FILING DATE: 1999-12-22 PRIOR PILING DATE: 1999-12-22 NUMBER OF SEQ ID NOS: 24 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 9 LENGTH: 6 LENGTH: 6 LENGTH: 6 CURRANISM: Homo sapiens US-09-747-408-9	atch 100.0%; Score 29; DB 4; Le sal Similarity 100.0%; Pred. No. 4.1e+05;	Matches 6; Conservative 0; Mismatches 0; Indels

KVVFFA (н

ઠ 셤

ö

Gaps

```
DNA Encoding Inducible Nitric Oxide Synthase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 12, Application US/08319866
Patent No. 592923
GENERAL INFORMATION:
APPLICANT: Tully, Timothy P.
APPLICANT: Yin, Jerry C.
APPLICANT: Yin, Jerry C.
TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES
TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STREET: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 1; Length 1144; 100.0%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/319,866
FILING DATE: 7-OCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                  COMPUTER: Macintosh Centris650
OPERATING SYSTEM: Macintosh 7.0.1
SOFTWARE: Microsoft Word 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/147,812
FILING DATE: No. 5766909 Available
CLASSIFICATION DATA:
APPLICATION NUMBER: 07/641,641
FILING DATE: 02-FEB-1992
APPLICATION NUMBER: 07/641,641
FILING DATE: 02-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: WALLEN, JOHN WILL
REGISTATION NUMBER: 35,403
REFERENCE/DOCKET NUMBER: 186581A
TELECOMMUNICATION INFORMATION:
                                                                                                                         TITLE OF INVENTACE:
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
ADDRESSEE: Aerck & Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 138825
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1144 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: aming
TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 5
US-08-319-866-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-147-812-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6921.

Sequence 6921. Application US/09513999C

Sequence 6921.

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Duclert, A.

APPLICANT: Glordano, J.Y.

TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

FILE REFERENCE: 59.U82.REG

CURRENT APPLICATION NUMBER: US/09/513,999C

CURRENT FILING DATE: 1999-02-24

PRIOR PILING DATE: 1999-02-26

NUMBER OF SEQ ID NOS: 36681

SOFTWARE: Patent.pm

SEQ ID NO 6921

LENGTH: The Comment of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 29; DB 4; Length 77; 100.0%; Pred. No. 13; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 4; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/08147812
Patent No. 5765909
GENERAL INFORMATION:
APPLICANT: Nathan, Carl F.
APPLICANT: Manford, Richard A.
APPLICANT: Calaycay, Jimmy Ramos
                                                                                                            ; Sequence 17, Application US/09747408
; Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
CRGANISM: Homo sapiens
US-09-747-408-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , ORGANISM: Homo sapiens
US-09-513-999C-6921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                38 KVVFFA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-513-999C-6921
                                                                               US-09-747-408-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-147-812-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
```

Gaps

```
| PRIOR FILING DATE: 1996-03-01 |
| PRIOR APPLICATION UNMBER: 44114() |
| PRIOR FILING DATE: 1994-03-31 |
| NUMBER OF SEQ ID NOS: 6 |
| SOFTWARE: Patentin Ver. 2.1 |
| SEQ ID NO 2 |
| LENGTH: 1144
                                                                                                                                                             ; ORGANISM: Mus musculus
US-09-123-624-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                              514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      514 KVVFFA 519
                                                                                                                                                                                                                                                                                                        1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 1144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-809-917-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-661-258-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-661-258-5
                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 9
                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ద
                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-123-624-2

Sequence 2, Application US/09123624

Patent No. 6149936

GENERAL INFORMATION:
APPLICANT: SCHRADER, Jurgen
APPLICANT: GODGEKE, Axel
TITLE OF INVENTION: DA EXPRESSION VECTORS FOR USE IN THE GENE THERAPEUTIC
TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
FILE REFRENCE: 511169-2004
CURRENT APPLICATION NUMBER: US/09/123,624
CURRENT FILING DATE: 1998-07-28
PRIOR APPLICATION NUMBER: 08/553,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: SCHRADER, Juergen
APPLICANT: SCHRADER, Axel
TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN GENE THERAPEUTIC
TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
FILE REFERENCE: 511169-2003
CURRENT APPLICATION NUMBER: US/09/123,708
CURRENT FILING DATE: 1998-07-28
EARLIER PILING DATE: 1998-03-01
EARLIER PILING DATE: 1996-03-01
EARLIER FILING DATE: 1994-03-31
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PALENTIN VEr: 2.0
SEQ ID NO S: 6
SOFTWARE: PALENTIN VER: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                   Length 1144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1144;
                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 29; DB 2; Length 11
100.0%; Pred. No. 1.9e+02;
iive 0; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 3; I
100.0%; Pred. No. 1.9e+02;
ative 0; Mismatches 0;
                                                      NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REBENENCE/DOCKET NUMBER: CSHL94-03
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1144 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09123708
Patent No. 6146887
GENERAL INFORMATION:
                FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; LENGTH: 1144
; TYPE: PRT
; ORGANISM: Cytomegalovirus
US-09-123-708-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-319-866-12
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         514 KWVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KVVFFA 6
                                                                                                                                                                                                                                                          STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-123-708-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Facebook Spirication US/09661258

Patent No. 6620616

GENERAL INFORMATION

APPLICANT: Stuehr, Dennis J.

APPLICANT: Adak, Subrata

TITLE OF INVENTION: Nucleic Acids Encoding Nitric Oxide Synthase Variants

FILE REFERENCE: 2243/3/04208

CURRENT APPLICATION NUMBER: US/09/661,258

CURRENT FILING DATE: 2000-09-13

NUMBER OF SEQ ID NOS: 9

SOFTWARE: Patentin version 3.1

SEQ ID NO 5.
                                                                                                                                                                                                                                                                              Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                Length 1144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT
TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES
TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY .
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                100.0%; Score 29; DB 3; 1
100.0%; Pred. No. 1.9e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 4; 100.0%; Pred. No. 1.9e+02; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/809,917 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
4411402.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 12, Application US/08809917; Patent No. 6689557; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 6; Conservative (
                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
```

Gaps

. 0

```
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Roger C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38.10 (15849)B
CURRENT APPLICATION NUMBER: US(09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 13513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 28; DB 4; Length 123; Pred. No. 34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 9, Application US/08612785B
; Sequence 9, Application US/08612785B
; Patent No. 5854204
; GENERAL INFORMATION: A set al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
; TITLE OF INVENTION: Aggregation
; NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                               Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches 0:
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                  FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: LAHIVE & COCKFIELD STREET: 28 State Street, Suite 510 CITY: Boston STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 13513, Application US/09902540 Patent No. 6833447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: Floppy disk
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                               96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83...
5. Conservative
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy d.
COMPUTER: IBM PC COMP
                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||:|||
52 KVIFFA 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |:||||
1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS-09-902-540-13513
                                                                                                                                                                                                                                                                                                                                                      US-09-747-408-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-612-785B-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 10
US-09-747-408-1

| Sequence 1, Application US/09747408 |
| Sequence 1, Application US/09747408 |
| Sequence 1, Application US/09747408 |
| GENERAL INFORMATION: Allan M. |
| APPLICANT: Geren, Allan M. |
| TITLE OF INVENTION: Compounds And Methods For Modulating |
| TITLE OF INVENTION: Cerebral Amyloid Anglopathy |
| TITLE OF ILING DATE: 2000-12-22 |
| CURRENT APPLICATION NUMBER: US/09/747,408 |
| CURRENT FILING DATE: 1999-12-23 |
| PRIOR FILING DATE: 1999-12-23 |
| NUMBER OF SEQ ID NOS: 24 |
| SOFTWARE: FastSEQ for Windows Version 4.0 |
| LENGTH: 6 |
| LENGTH: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 10, Application US/09747408
Patent No. 6670399
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 4; I
100.0%; Pred. No. 1.9e+02;
ive 0; Mismatches 0;
                                       PRIOR AFFLICATION UNIMER:
PELLING DATE:
PELLING DATE:
APPLICATION NUMBER: PCT/US95/13198
FILING DATE: 21-DEC-1994
PRIOR APPLICATION NUMBER: US 08/319,866
FILING DATE: 07-0CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: GSHL94-03A2 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
ITELEFAS: (617) 861-6240
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1144 amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 28; DB 4;
Pred. No. 4.1e+05;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 83.3.
5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: protein US-08-809-917-12
                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-747-408-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-747-408-1
```

g

ઠ 엄

ö

Gaps

Gaps

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 26; DB 3; Length 6; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: R10Py disk
MEDIUM TYPE: R10Py disk
MEDIUM TYPE: R10Py disk
MEDIUM TYPE: R10Py disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Datentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: PAPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14 *MAR-1996
FILING DATE: 14 *MAR-1995
FILING DATE: 10 *MAR-1995
FILING DATE: 07 *MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
                                               FILING DATE: 14-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REPERENCE/DOCKEY NUMBER: PPI-016CP2
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                       USSN 08/616,081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CIITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9, Application US/08617267C Patent No. 6319498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: PE
IELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                         TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.5
5. Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; MOLECULE TYPE: peptide US-08-703-675C-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
OGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KWFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-617-267C-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. 4.1e+05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2; Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALTILE OF INVERSION MODULIATORS OF -AMYLOID PEPTIDE NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS: ADDRESSE: ADDRESSES LAHIVE & COCKFIELD, LLP STREET: 28 State Street
CITY: 28 State Street
CITY: BOSTON
STRATE: MASSACHUSETES
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHIN PC-DOS/MS-DOS
SOFTWARE: PATCHIN PATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
CLASSIFICATION: 514
PRICK APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 14-MAR-1995
RAPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UN-1995
RAPLICATION NUMBER: USSN 08/475,579
FILING BAPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING BAPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING BAPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING BATE: 27-OCT-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-703-675C-32

Sequence 32, Application US/08703675C

Patent No. 6303567

GENERAL INFORMATION:

APPLICANT: Findeis, Mark A. et al.

TITLE OF INVENTION:

MODULATORS OF -Amyloid Peptide
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
                                                                                                                         PILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUBBER: USSN 08/404,831
FLING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUBBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUBBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECORT, Gillio.
REGISTRATION NUMBER: 31,50
TELEPHONE: (617) 742-4214
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TUBENTY: 6 amino acids
TELENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 26;
Pred. No. 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear

MOLECULE TYPE: peptide
US-08-612-7858-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
```

g

```
Sequence 14, Application US/08127904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: No. 5470951e
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TOPOLOGY: Unknown
US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amino Acid
                     ; Patent No. 5470951
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFA 6
                                                                                                                                                                                                                              CITY: Duarte
STATE: Califo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 19
US-08-612-785B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                       APPLICANT: Green, Allan M.
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 1999-12-22
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Ub .,
.4.1e+05;
. . . 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INCURING.

APPLICANT: Green, Allan M.
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NB1-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT APPLICATION NUMBER: 60/171,877
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
LENGTH: 6
 Score 26, DB 3; Length 6; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89.7%; Score 26; DB 4; Length 6; 83.3%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        89.7%; Score 26; DB 4; Length 6; 83.3%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-747-408-11
; Sequence 11, Application US/09747408
; Patent No. 6670399
; GENERAL INFORMATION:
                                                                                                                                                                                            Sequence 3, Application US/09747408
Patent No. 6670399
   89.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85..
Best Local Si Conservative
Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Local 5; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |:||||
1 KLVFFA 6
                                                                       1 KVVFFA 6
                                                                                                   1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 18
US-08-127-904-14
                                                                                                                                                                            US-09-747-408-3
                                                                                                     g
                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/08612785B
Patent No. 5854204
GENERAL INFORMATION:
APPLICANT: Findels, Mark A. et al.
TITLE OF INVENTION: AD Peptides that Modulate b-Amyloid
TITLE OF INVENTION: AD Peptides
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 STREET: 28 STREET: ADSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 7;
                                                                                                                                                                                                                                                                                                                              COUNTRY: United States of America
COUNTRY: United States of America
ZIP: 91010-026
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4" diskette
COMPUTER: Wang PC
COMPUTER: Microsoft
COMPUTER: 29 September 1993
CLASSIFICATION NUMBER: US/08/127,904
FILING DATE: 29 September 1993
CLASSIFICATION NUMBER: US/08/127,904
FILING DATE: 29 September 1993
CLASSIFICATION NUMBER: US/08/127,904
FILING DATE: 29 September 1993
CLASSIFICATION NUMBER: US/08/127,904
FERRENCE/DOCKET NUMBER: No. 5470951e
TELERPHONE: (202) 783-6040
TELERPHONE: (202) 783-6041
                               Method For Antagonizing
Amnestic Effects of Amyloid n
Protein and Improving the
Quality of Life in Individuals
With Alzheimer Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYRE: Floppy disk
COMPUTER:—IBM C compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                89.7%; Score 26; DB 1; 1
83.3%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
APPLICANT: Engene Roberts
TITLE OF INVENTION: Method For Ant
TITLE OF INVENTION: Annestic Effections of INVENTION: Protein and in
TITLE OF INVENTION: Protein and In
TITLE OF INVENTION: With Alzheimer
TITLE OF INVENTION: With Alzheimer
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: City of Hope
STREET: 1500 East Duarte Road
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 26; DB 3; Length 7; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/08617267C
Patent No. 6119498
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: MASSACHUSETES

COUNTRY: USA

ZIP: 02109-1875

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN PREJEASE #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/617,267C

FILING DATE: 14-MAR-1996

PRIOR APPLICATION NUMBER: USSN 08/404,831

FILING DATE: 14-MAR-1995

PRIOR APPLICATION NUMBER: USSN 08/475,579

FILING DATE: 07-01N-1995

PRIOR APPLICATION NUMBER: USSN 08/475,579

FILING DATE: Z7-0CT-1995

APPLICATION NUMBER: USSN 08/548,998

FILING DATE: Z7-0CT-1995

ATTORNEY/AGENT INFORMATION:

NAME: DECONTI, Giulio A.

REGISTRATION NUMBER: 31.503

REFERENCATION NUMBER: PP1-002CP2
                                                                                                                                                                                                                                                                                                                                                                       Score 26; DB 3; I
Pred. No. 4.1e+05;
                                                                          REFERENCE/DOCKET NUMBER: PPI-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
                                                              41,106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: PP
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                            83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89.7%;
              ATTORNEY/AGENT INFORMATION:
                                       NAME: Kara, Catherine J
REGISTRATION NUMBER: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                         Query Match 89.7
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , MOLECULE TYPE: peptide US-08-617-267C-7
                                                                                                                                                                                                                                                    amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-617-267C-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89.7%; Score 26; DB 2; Length 7; 83.3%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IMP PC compatible
COMPUTER: IMP PC compatible
COMPUTER: IMP PC compatible
COMPUTER: IMP PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FLING DATE: 27-AUG-1996
CLASSIFICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 14-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 30. Application US/08703675C
Patent No. 6303567
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of -Amyloid Peptide, NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 07-JUN-1995
ATTORNEY AGENT INFORMATION:
NAME: DECONTI, GIULIO A.
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-703-675C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-612-785B-7
```

ઠે

Gaps

Matches

à ద

```
.
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-747-408-19

Sequence 19, Application US/09747408

Patent No. 6670399

GENERAL INFORMATION:
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408

CURRENT FILING DATE: 2000-12-22

PRIOR FILING DATE: 1999-12-23
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT PAPLICATION NUMBER: US/09/747,408
CURRENT PILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR PILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                         Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 26; DB 4; 1
Pred. No. 4.1e+05;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                         Score 26; DB 4;
Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antagonizing Amnestic
Effects of Amyloid n
Protein and Improving
the Quality of Life
in Individuals
With Alzheimer Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 19
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 14, Application PC/TUS9410475 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: City of Hope
STREET: 1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Method For
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method
TITLE OF INVENTION: Effects
TITLE OF INVENTION: Effects
TITLE OF INVENTION: Protein
TITLE OF INVENTION: Protein
TITLE OF INVENTION: in Indi
TITLE OF INVENTION: in Indi
TITLE OF INVENTION: with Al
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                         Query Match 89.7
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LENGTH: 7
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-19
                                                                                                                                                                                                                                                           TYPE: PRT
CRGANISM: Homo sapiens
US-09-747-408-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                      1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVPPA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCT-US94-10475-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       엄
                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                  GENERAL INCORMATION:
APPLICANT: Roberts, Eugene
APPLICANT: Roberts, Eugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
TITLE REPERENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
CURRENT PILING DATE: 1999-03-09
PRIOR PILING DATE: 1999-03-09
PRIOR FILING DATE: 1999-02-07
NUMBER OF SEQ ID NOS: 39
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 13
        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT Green, Allan M.
APPLICANT Green, Allan M.
APPLICANT Grevais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR FILING DATE: 2000-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 4; I
4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 26; DB : Pred. No. 4.1e-1; Mismatches
        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 26;
Pred. No.
                                                                                                                                             RESULT 22
US-09-264-709A-13
; Sequence 13, Application US/09264709A
; Patent No. 6320024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-747-408-18; Sequence 18, Application US/09747408; Patent No. 6670399; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 2, Application US/09747408; Patent No. 6670399; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             89.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.5
Thes 5; Conservative
        5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
US-09-264-709A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
--han 5; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 KLVFFA 7
                                                                               2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 23
US-09-747-408-2
```

ð

ô

RESULT 24

```
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISCRIBES OR DISEASES ASSOCIATED
TITLE OF INVENTION: WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
TITLE OF SEQUENCES: 26
CORRESPONDENCES: ADDRESS: ADDRESS: ADDRESSE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
APPLICATION NUMBER: US/08/630,645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 26; DB 2; I
Pred. No. 4.1e+05;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AFFLLCATION 530
CLASSIFICATION 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UIN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELEPHONE: 202-629-5197
TELEPHONE: 202-737-3528
; INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

**TEMPTONE TO THE TEMPTONE TO THE TEMPTONE TEMPTONE TO THE T
FILING DATE: u,-u,...

PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PAPPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-CT-1995
ATTORNEY/ACENT INFORMATION:
NAME: DECORDI, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
FILEPHONE: (617)722-7400
FILEPHONE: (617)722-7400
FILEPAX: (617)74-2214
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
FILENGTH: 8 mainto acids
TYPE: aminto acid
TYPE: aminto acid
TYPE: aminto acid
TYPE: America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 1, Application US/08630645; Patent No. 5948763; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-612-785B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:||||
3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-630-645-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application US/08612785B

Patent No. 5854204

GENERAL INFORMATION:
APPLICANT: Findeds, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Apgregation
TITLE OF INVENTION: Agregation
NUMBER OF SEQUENCE: 40

CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKPIELD
STREET: 28 State Street, Suite 510
CITY: Boston
STREET: 28 State Street, Suite 510
CITY: Boston
STREET: 408

COUNTRY: USA
ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: FIOPPPY disk
COMPUTER: IBM PC Compatible
COMPUTER: DEFARTING SYSTEM: PC-DOS/MS-DOS
CORPUTER: DEFARTING SYSTEM: PC-DOS/MS-DOS
CORPUTER: DEFARTING SYSTEM: PC-DOS/MS-DOS
CORPUTER: DEFARTING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            89.7%; Score 26; DB 5; Length 7; 83.3%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
                               COUNTRY: United States of America
ZIP: California
COUNTRY: United States of America
ZIP: 91010-0269
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4"
MEDIUM TYPE: diskette
COMPUTER: Wang PC
CLASSIFICATION DATA:
PRIOR APPLICATION DATA: PCT/US94/10475
FILING DATE: 16 September 1994
PRIOR APPLICATION DATA: PCT/US94/1100
PRIOR APPLICATION DATA: 29 September 1993
ATTORNEY/AGENT INPORMATION:
NAME: TOONE, Edward S.
REGISTRATION NUMBER: 16,541
REPERRENCE/DOCKET NUMBER: 16,541
RELEPHONE: (202) 626-3564 or 783-6030
TELLEPAK: (202) 783-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILLING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: None
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85...
5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
TOPOLOGY: Unknown
PCT-US94-10475-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:||||
1 KLVFFA 6
       CITY: Due
STATE: Ca
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 27
US-08-612-785B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

Gaps ;

```
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
APPLICANT: TYPERGY, Jan
APPLICANT: TYPERGY, Jan
APPLICANT: TYPERGY, Jan
APPLICANT: TYPERBERG, Lars O.
APPLICANT: TERRINGS, Lars O.
APPLICANT: TOTAL O.
APPLICANT: TERRINGS, Lars O.
APPLICANT: TOTAL O.
APPLICANT: TYPE O.
APPLICAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                           Sequence 5, Application 05/001/2010

Patent No. 6319498

GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
COUNTRY: USA
ZIP: 02109-1875
ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 26; DB 3; Length 8; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 44, Application US/09095106A Patent No. 6331440
Sequence 5, Application US/08617267C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          83.38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 89.7
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:||||
3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-617-267C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Aggregation Comprising D-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 89.7%; Score 26; DB 3; Length 8; Best Local Similarity 83.3%; Pred. No. 4.1e+05; Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                           Score 26; DB 2; Length 8; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 29
US-08-703-675C-28
US-08-703-675C-28
Squence 28, Application US/08703675C
Patent No. 6303567
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of -Amyloid Peptide
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSED: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Boston
CTTY: Massachusetts
CONDITY: Wassachusetts
CONDITY: USA
ZIP: O2109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/703,675C
FILING DATE: 27-AUG-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/519, FILING DATE: 27-CT-1995
FILING DATE: 27-CT-1995
FILING DATE: 14-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Kara, Catherine J.
REGISTRATION NUMBER: PI-016CP2
TELECHMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                    89.7%;
83.3%;
                                                                                                Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-703-675C-28
                                                                                                                                                                                                                                                                                                                                 |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 30
US-08-617-267C-5
                  US-08-630-645-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                 g
```

```
APPLICANT: SOCI-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
NUMBER OF SEQUENCES: 69
                                                                                                                                                                                                                                                          PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION NUMBER: PCT/US96/10220
                                                                                                                                                                                                                                                       TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL.
TITLE OF INVENTION: THEREOF POR TREATMENT OF DISTINCT OF INVENTION: WITH PROTEIN FOLDING INTO AM NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: ADDRESS: ADDRESSE: ADDR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25,618
SR: SOTO-JARA=1 PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRICE AND DATE:
PRICE AND DATE:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UN-1995
PRICE APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWNY, ROGER L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELEPHONE: 202-628-5197
                                                                                                                                                         Sequence 1, Application PC/TUS9610220
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 64, Application US/08766596A; Patent No. 6462171; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KWFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE:
TELEFAX: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-766-596A-64
                                                                                                RESULT 33
PCT-US96-10220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ٦
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           쉱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/08766596A
Patent No. 6462171
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
0
                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 26; DB 4; Length 8; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                     Score 26; DB 3; Length 8; Pred. No. 4.1e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 20004

ZIP: 20004

CMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: SO TELECOMMUNICATION INFORMATION: TELEPHONE: 202-628-5197
                                                                                                                                                                                                                  Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: PEPTITILE OF INVENTION: COMPORTITLE OF INVENTION: DEPOSITIONE OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
                                                                                                                           ORGANISM: Amyloidosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                    1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                  US-09-095-106A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-766-596A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-766-596A-1
                       SEQ ID NO 44
LENGTH: 8
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                    8
```

BROWDY AND NEIMARK

1 KVVFFA 6

```
Sequence 20, Application US/09724961

Patent No. 6743427

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vaquez, Nicki
APPLICANT: Vaquez, Nicki
APPLICANT: Vaquez, Nicki
APPLICANT: Vaquez, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPREBRENCE: 125700-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
FRICR APPLICATION NUMBER: US 09/580,015
FRICR APPLICATION NUMBER: US 09/322,289
FRICR APPLICATION NUMBER: US 09/322,289
FRICR FILING DATE: 1999-05-28
FRICR FILING DATE: 1999-05-28
FRICR FILING DATE: 1999-11-30
FRICR FILING DATE: 1999-11-30
FRICR FILING DATE: 1999-11-30
FRICR FILING DATE: 1999-11-30
                                                                                                                                                   PATCHIC NO. 90.2839

GENERAL INFORMATION:
APPLICANT: Kiessling, Laura L.
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA-AMYLOID TOXICITY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
ADDRESSEE: Quarles & Brady
STREET: 411 East Wisconsin Avenue
CITY: Milwaukee
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53202-4497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patchtin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 26; DB 3;
Pred. No. 7.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                        US-08-970-833-3; Sequence 3, Application US/08970833; Patent No. 6022859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Jean C.
REGIEFRATION UNDERER: 35,433
REFERENCE/DOCKET NUMBER: 9602
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89.7%;
illarity 83.3%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (414) 277-5709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (414) 277-57(
TELEFAX: (414) 271-552
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , MOLECULE TYPE: peptide US-08-970-833-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
4 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-724-961-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:

APPLICANT Green, Allan M.

APPLICANT: Gervais, Francine

TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Cerebral Amyloid Angiopathy;
FILE REFERENCE: NBI-088

CURRENT APPLICATION NUMBER: US/09/747,408

CURRENT PAPLICATION NUMBER: 60/171,877

PRIOR PILING DATE: 1999-12-23

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 26; DB 4; Length 9;
Pred. No. 4.1e+05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 26; DB 4; Length 9; Pred. No. 4.1e+05:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                  SOFTWARE: Patent: Coupur 1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4.1e+05;
  419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                  CLASSPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-ARR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: VUN, Allen C.
REGISTRATION NUMBER: SOTO-JARA=1A
REJERHONE: 202-297
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION OF 64:
SEQUENCE GRARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                           ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20, Application US/09747408 Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-20
                      Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:||||-
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 35
US-09-747-408-20
```

ò

. 0

Length 10;

```
22, Application US/09724961
5. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21, Application US/09724961

Sequence 21, Application US/09724961

Sequence 21, Application US/09724961

SETERIE NO. 674347

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Vasquez, Nicki

CURRENT APPLICANTON NUMBER: US/09/724,961

CURRENT APPLICATION NUMBER: US/09/580,015

PRIOR APPLICATION NUMBER: US/09/322,289

PRIOR FILING DATE: 1998-11-30

PRIOR FILING DATE: 1998-11-30

PRIOR FILING DATE: 1998-11-30

PRIOR FILING DATE: 1998-04-07

PRIOR PLILING DATE: 1998-04-07

PRIOR APPLICATION NUMBER: WG 06/067,740

PRIOR APPLICATION NUMBER: US/09/067,740

PRIOR PLILING DATE: 1998-04-07

PRIOR APPLICATION NUMBER: US/09/067,740

PRIOR PLILING DATE: 1998-04-07

SOFTWARE: PATENTING VALE: 1998-04-07

SOFTWARE: PATENTING VALE: 1998-04-07

SEQUINO 21

SEQUINO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid US-03-724-561-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEATURE:

CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide

OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid;

US-09-724-961-21
                                                                                                                                                                                                                                                                                                                                                                                                     Score 26; DB 4; Length 10;
Pred. No. 7.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              89.7%; Score 26; DB 4; Length 10; 83.3%; Pred. No. 7.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
; PRIOR FILING DATE: 1998-11-30
; PRIOR APPLICATION NUMBER: US 60/080,970
; PRIOR FILING DATE: 1998-04-07
; PRIOR FILING DATE: 1997-12-02
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 20
; LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                       83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-724-961-21
                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       유
```

RESULT 39

```
PERUEAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vaquez, Nicki
APPLICANT: Vaquez, Nicki
APPLICANT: Vaduck, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE PEPERENCE: 15270J-004750UC
CURRENT FILING DATE: 2000-11-28
CURRENT FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR FILING DATE: 1998-11-30
PRIOR PRILING DATE: 1998-11-30
PRIOR PLILING DATE: 1998-11-30
PRIOR PLILING DATE: 1998-11-30
PRIOR PLILING DATE: 1998-11-30
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vagquez, Nicki
APPLICANT: Vagquez, Nicki
APPLICANT: Vagquez, Nicki
APPLICANT: Yadhock, Tevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US 09/580,015
PRIOR PLING DATE: 2000-05-26
PRIOR FILING DATE: 1990-05-28
PRIOR PLING DATE: 1990-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PLICATION NUMBER: US 60/080,970
PRIOR PLICATION NUMBER: US 60/067,740
PRIOR PLICATION NUMBER: US 60/067,740
PRIOR PLICATION NUMBER: US 60/067,740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-561-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 26; DB 4; Length 10;
Pred. No. 7.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23, Application US/09724961
Patent No. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 77
```

```
Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                              |:||||
5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |:||||
4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                      1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 44
US-09-580-018-22
                                                                                                                                                                                                                                                                                      US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORM
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                             В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                Petent No. 6743427;
GENERAL INFORMATION;
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Yeaquez, Nicki
CURRENT APPLICATION NUMBER: US 09/322,289
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: US 60/080,970
PRIOR APPLICATION NUMBER: US 60/080,970
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-12-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIN Ver. 2.1
SEQ ID NO 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20, Application US/09580018
Patent No. 6761888
Patent No. 6761888
PAPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, red
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide;
CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid;
CTHER INFORMATION: peptide)
US-09-724-961-24
                      TYPE: PRT

ORGANISM: Artificial Sequence

PERATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 26; DB 4; Length 10; Pred. No. 7.6;
                                                                                                                                                                        Score 26; DB 4; Length 10;
Pred. No. 7.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. 7.6, 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 24, Application US/09724961
Patent No. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              83.3%;
                                                                                                                                                                            89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                            Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVFFA 6
                                                                                                                                                                                                                                                          1 KVVFFA 6
                                                                                                                                                                                                                                                                                        KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                           US-09-724-961-24
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                              g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 15270-004708/S
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AM1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
FRATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 26; DB 4; Length 10; Pred. No. 7.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 83.3%; Pred. No. 7.6; Matches 5; Conservative 1; Mismarra-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
FRIOR APPLICATION NUMBER: US 09/322,289
FRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SOFTWARE: 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 22, Application US/09580018
; Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21, Application US/09580018
Sequence 21, Application US/09580018
Patent No. 6761888
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
```

```
RESULT 48
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-724-551-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       쉱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/09580018
Fatent No. 6761888
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
APPLICANT: Yednock
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INCORNATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152703-00476008.
CURRENT APPLICATION NUMBER: US/09/580,018
PRIOR APPLICATION NUMBER: US/09/322,289
PRIOR PLING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
                                                                                                                                                                                                                                                                                                      PEATURE:
CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
US-09-580-018-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     89.7%; Score 26; DB 4; Length 10;
83.3%; Pred. No. 7.6;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               89.7%; Score 26; DB 4; Length 10; 83.3%; Pred. No. 7.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SEQ TWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 24, Application US/09580018 Patent No. 6761888
                                                                                                                                                                                    LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 89.7
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:||||
KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 45
US-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 46
US-09-580-018-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR FILING DATE: 2000-12-8
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PATENTIN VENER: US 09/322,289
NUMBER OF SEQ ID NOS: 77
SEQ ID NO 20
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Application US/09724551
Fatent No. 6786737
GENERAL INFORMATION:
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
APPLICANT: Vendorick, Ted
APPLICANT: Vendorick, Ted
APPLICANT: Vendorick, Ted
APPLICANT: Non-Voluce
APPLICANT: Non-Voluce
TITLE REFERENCE: 152700-004760US
CURRENT FILING DATE: 2000-11-28
PRIOR PILING DATE: 2000-11-28
PRIOR PAPLICATION NUMBER: US/09/580, 018
PRIOR PLIING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gapa
                                                                                                                FEATURE:
COTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
COTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
US-09-580-018-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid ; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                      ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                    Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                  Score 26; DB 4;
Pred. No. 7.6;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 26; DB 4;
Pred. No. 7.6;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 20, Application US/09724551
; Patent No. 6787637
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 24
LENGHH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                      5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                 1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
```

```
g
                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 50
US-09-724-551-23
; Sequence 23, Application US/09724551
; Patent No. 6787637
; GENERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Schenk, Tederique
; APPLICANT: Yednock, Ted
; TITE OF INVENITON: Prevention and Treatment of Amyloidogenic Disease
; FILE REPRENCE: 152704-004760US
; CURRENT APPLICATION NUMBER: US/09/724,551
; PRIOR APPLICATION NUMBER: US/09/580,018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Yednork, Ted
APPLICANT: Pervention and Treatment of Amyloidogenic Disease
TITLE OF INVENTY APPLICATION NUMBER: US/09/724,551
CURRENT APPLICATION NUMBER: US/09/580,018
PRIOR PILING DATE: 2000-11-28
PRIOR PLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR PILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 22
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-551-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ..
                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 26; DB 4; Length 10;
Pred. No. 7.6;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                  89.7%; Score 26; DB 4; Length 10; 83.3%; Pred. No. 7.6; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 49
US-09-724-551-22
'Sequence 22, Application US/09724551
'Patent No. 6787637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           89.7%;
                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 21
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                       Query Match 89.7
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                |:||||
4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                   1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KWVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                     8
```

```
y PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: Patentin ver. 2.1

SEQ ID NO 23

LENGTH: 10

TYPE: PRT

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: peptide)
OTHER INFORMATION: peptide)
US-09-724-551-23

Query Match
Best Local Similarity 83.3%; Pred. No. 7.6;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps

Qy 1 KVVFFA 6

I KVVFFA 6

Search completed: March 9, 2005, 06:43:04
```



GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.

March 9, 2005, 06:11:36; Search time 18.6986 Seconds (without alignments) 27.946 Million cell updates/sec

OM protein - protein search, using sw model

Run on:

US-10-009-122-18 34 1 KLVPFAQ 7 Title: Perfect score: Sequence: BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

513545 segs, 74649064 residues Searched:

513545 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries

/cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:* Issued Patents AA:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 18, Appl	19,	12,	12,		٦,	m	'n	m	ñ	ý	14,	13,	14,	٦,	ų	۲,	Sequence 64, Appl	'n	21,	22,	23,	24,	21,	22,	23,	
SUMMARIES	ID	US-09-747-408-18	US-09-747-408-19	US-09-388-890-12	US-09-660-954-12	US-08-304-585-8	US-09-573-789-1	US-08-462-859A-3	US-08-123-659A-3	US-08-464-247A-3	US-08-464-248A-3	US-08-339-708A-6	US-08-127-904-14	US-09-264-709A-13	PCT-US94-10475-14	US-08-630-645-1	US-08-766-596A-1	PCT-US96-10220-1	US-08-766-596A-64	US-08-970-833-3	US-09-724-961-21	US-09-724-961-22	US-09-724-961-23	US-09-724-961-24	US-09-580-018-21	US-09-580-018-22	US-09-580-018-23	1 1 1 1 1 1
	n DB	4	7 4	3	4.	7	4	3	3	3	3	е С	7	7 3	7	6	4	ω ω	4	6	4	4	4	4	4	4	4	
	y sh Length		•		0 28										7	8	2			1	•	.2 10			1	-	1	
d	Query Match	100.	100.0	100.	100.0	100.0	100.0	100.0	100.0	100.0	100.	100.0	91.	91.2	91.	91.	91.2	91.	91.2	91.	91.	91.2	91.	91.	91.2	91	91.	
	Score	34	34	34	34	34	34	34	34	34	34	34	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
	Result No.	1	8	m	4	ī.	9	7	8	0	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	

6	e 22,	e 23,	e 24	equence 14	equence 14	eguence 9,	25	14	ŝ	14	e 37	14	26	57	58	61	63	65	'n	'n	11	'n	S	'n	75	equence 5,	equence 5,	equence 5,	equence 5,	equence 5,	equence 75	equence 5,	equence 5,	equence 10	7,	equence 4,	Sequence 7, Appli
-09-724-551-	-09-724-	-724-	US-09-724-551-	US-08-630-645-1	-994-80-SD	US-09-988-842	US-09-988-	PCT-US96-1022	US-09-594-	US-08-612-	US-08-612-785B-	US-08-617-267C-1	US-08-766-596A-5	US-08-766-596A-5	08-766-596A-5	US-08-766-596A-6	US-08-766-596A-	US-08-766-596A-6	-09-264-709A-	US-09-594-366-3	-08-970-833	09-723-384-5	-09-724-961	-09-724-552-	-00-280-018-	-09-723-927-	09-724-	-09-724-477-	-09-723-762-	-09-201-430-5	09-724-551-	-10 - 815 - 35	-10-816-529-	-08-970-833-	-08-304-	-08-346-849	1 US-08-302-808-7
10 4	10	10							-												19	19 4	19	19	19	19 4	19	19	19	19	19	19	19	20	26]	28	28 1
			1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	1 91.	31 91.2	1 91.	1 91.
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53	54	55	26	57	28	59	09	61	62	63	64	65

ALIGNMENTS

Gaps , 0 ; Sequence 18, Application US/09747408; Patent No. 6670399; GENERAL INFORMATION:
; APPLICANT: Green, Allan M.; APPLICANT: Green, Allan M.; APPLICANT: Green, Allan M.; TITLE OF INVENTION: Compounds And Methods For Modulating; TITLE OF INVENTION: Cerebral Amyloid Angiopathy; FILE REFERENCE: US/09/747,408; CURRENT APPLICATION NUMBER: US/09/747,408; CURRENT FILING DATE: 2000-12-22; PRIOR APPLICATION NUMBER: 60/171,877; PRIOR FILING DATE: 1999-12-23 Length 7; 100.0%; Score 34; DB 4; Length 7; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 7 .7; Conservative ; ORGANISM: Homo sapiens US-09-747-408-18 Query Match Best Local Similarity Matches ,7; Conserv US-09-747-408-18

1 KLVFFAQ 7

ò 셤

ö

1 KLVFFAQ 7

```
ORGANISM: HOMO SAPIENS IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
N-terminal
FRAGMENT TYPE: N-termina:
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
                                                                                                                                      Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                              16 KLVFFAQ 22
                                                                                                                                                                                                                      1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                US-09-660-954-12
                                                                                                US-09-388-890-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-660-954-12
                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US_09-388-890-12

Sequence 12, Application US/09388890

Sequence 12, Application US/09388890

GENERAL INFORMATION:

APPLICANT: ANDERSON, STEPHEN

TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: HOWREY & SIMON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                  Sequence 19, Application US/09747408

Patent No. 6670399

GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gerváis, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 20004

ZIP: 20004

MEDIUM TYBER PORM:
MEDIUM TYBER PLOEPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 34; DB 4; 100.0%; Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 08/686,959
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: AUGREBACH, UEPFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION:
INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide HYPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CRGANISM: Homo sapiens
US-09-747-408-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KĽVFFAÖ 7
                                     US-09-747-408-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
```

ö Sequence 12, Application US/09660954
Sequence 12, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
GENERAL INFORMATION: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE Gaps Gaps . ; 0 COMPUTER: US
COMPUTER: 10004

COMPUTER: Floppy disk
COMPUTER: Ploppy disk
SOFTWARE: Ploppy disk
COMPUTER: Plop 100.0%; Score 34; DB 3; Length 28; 100.0%; Pred. No. 0.44; ive 0; Mismatches 0; Indels Query Match
100.0%; Score 34; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 7; Conservative 0; Mismatches 0; Indels CLONE: E22Q B(1-28) peptide of amyloid B protein SEQUENCE DESCRIPTION: SEQ ID NO: 12: IMMEDIATE SOURCE: CLONE: E22Q B(1-28) peptide of amyloid B protein NUMBER OF SEQUENCES: 14
CORRESSPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:

셤

```
Sequence 3, Application US/08462859A
Patent No. 5652092
GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: Jacobsen, J. S.
APPLICANT: Vitek, M. P.
TITLE OF INVENTION: No. 5652092el Amyloid Precursor and Method of
TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
TITLE OF INVENTION: Of B-Amyloid Peptide
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 34; DB 1; Length 63; 100.0%; Pred. No. 1;
                                                                                                                                                                                                                                                                     DB 4; Length 43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CUNTRY: Wew Jersey
COUNTRY: United States
ZIT: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: DS-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Barnhard, Blizabeth M.
REGISTRATION NUMBER: 31,088
REFERENCE/POCKET NUMBER: 31,844-04
TELECOMMUNICATION INFORMATION:
TELECHONE: C201)831-3246
                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                   100.0%; Score 34; 100.0%; Pred. No. (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
                           60/131,284
PRIOR FILING DATE: 1998-11-12
PRIOR PLING DATE: 1999-04-27
PRIOR FILING DATE: 1999-04-27
NUMBER OF SEQ ID NOS: 1
SOFTWARE: Patentin version 3.1
SEQ ID NO 1
LENGTH: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (201)831-3305
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein
                                                                                                                                                                    TYPE: PRT
CRGANISM: Homo sapiens
US-09-573-789-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                               16 KLVFFAQ 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25 KLVFFAQ 31
                                                                                                                                                                                                                                                                                                                                                               1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-462-859A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 8
                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Zaczek, Robert
APPLICANT: Zaczek, Robert
APPLICANT: Olson, Richard E.
APPLICANT: Olson, Richard E.
APPLICANT: Olson, Lorin A.
APPLICANT: Thompson, Lorin A.
TITLE OF INVENTION: USE OF SMALL MOLECULE RADIOLIGANDS TO DISCOVER INHIBITORS OF AMYI
TITLE OF INVENTION: PEPTIDE PRODUCTION AND FOR DIAGNOSTIC IMAGING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Pharma Company (formerly DuPont Pharmaceuticals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                        APPLICANT: Maggio, John E.
APPLICANT: Mantyh, Patrick W.
TITLE OF INVENTION: LABELLED BETA-AMYLOID PEPTIDE AND
TITLE OF INVENTION: METHODS FOR USE IN DETECTING ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 34; DB 1; Length 40; 100.0%; Pred, No. 0.64; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Mueting, Raasch, Gebhardt & Schwappach, P.A. STREET: P.O. Box 581415
CITY: Minneapolis
STATE: MY
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRING SISIEM: ELECTROS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRINT APPLICATION DATA:
APPLICATION NUMBER: US/08/304,585 FILING DATE: 12-SEP-1994 CLASSIFICATION: 435 ATTONREY/AGENT INFORMATION:
NAME: Mueting, Ann M. REGISTRATION NUMBER: 33,977 REFRENCE/DOCKET NUMBER: 110.00010120 TELECOMMUNICATION: TELECOMMUNICATION: TELECOMMUNICATION: TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: PH-7048-A
CURRENT APPLICATION NUMBER: US/09/573,789
CURRENT FILING DATE: 2000-05-17
PRIOR APPLICATION NUMBER: US 09/438,901
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: US 60/108,147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COmpatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                  Sequence 8, Application US/08304585
Patent No. 5721106
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/09573789
Patent No. 6737038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 55458-1415
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16 KLVFFAQ 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
    16 KLVFFAQ 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Company)
                                                                                              US-08-304-585-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-304-585-8
```

ઠે 셤

```
Sequence 3, Application US/08464248A

Sequence 3, Application US/08464248A

Patent No. 5703209

GENERAL INFORMATION:
APPLICANT: Jacobsen, J. S.
TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
TITLE OF INVENTION: of B-Amyloid Peptide
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSER: American Cyanamid Company
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 34; DB 1; Length 63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 34; DB 1; Length 63; 100.0%; Pred. No. 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: Mew Jersey
COUNTRY: United States
ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,248A
FILLING DATE: 05-JUM.1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/464,247A
FILING DATE: 05-UN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BATTHATION:
REGISTRATION NUMBER: 31,088
REFERRNCE/DOCKET NUMBER: 31,844-03
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 201-683-4117
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: American Cyanamid Company STREET: One Cyanamid Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Barnhard, Elizabeth M.
REGISTRATION NUMBER: 31,088
REFERENCE/DOCKET NUMBER: 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LECOMMOS. (201/0...
TELEPHONE: (201/0...
(201)831-3305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 63 amino acids
                                                                                                                                                                                                                                                                                                                            LENGTH: 63 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear; MOLECULE TYPE: protein US-08-464-247A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (201) 831-330
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25 KLVFFAQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-464-248A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                 Sequence 3, Application US/0812359A
Sequence 3, Application US/0812359A
Sequence 3, Application US/0812359A
Sequence 3, Application US/0812359A
Sequence 3, Applicant
GENERAL INFORMATION:
APPLICANT: Jacobsen, J. S.
APPLICANT: Jacobsen, J. S.
TITLE OF INVERVION: Using Same to Access Agents Which Down-Regulate Formation
TITLE OF INVERVION: of B-Amyloid Peptide
NUMBER OF SEQUENCES: 19
CORRESSOES: ADDRESS: 19
CORRESSOES: ADDRESS: 19
ADDRESSEE: Anne Rosenblum
STREET: 163 Delaware Avenue, Suite 212
CITY: Delmax
STREET: 163 Delaware Avenue, Suite 212
CITY: Delmax
STREET: 163 Delaware Avenue, Suite 212
CITY: Delmax
STREET: 163 Delaware Avenue, Suite 212
COMPUTER READABLE FORM:
WEDIOM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIOM TYPE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/123,659A
FILING DATE: 20-SEP-1993
CLASSIFICATION NUMBER: 30-SEP-1993
CLASSIFICATION NUMBER: 31,844-01
FELECOMMUNICATION NUMBER: 31,844-01
TELECOMMUNICATION NUMBER: 31,844-01
TELECOMMUNICATION NUMBER: 31,844-01
TELECOMMUNICATION NUMBER: 31,845-061
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: A mino acide
TYPE: Amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3, Application US/08464247A

Sequence 3, Application US/08464247A

Patent No. 5693478

GENERAL INFORMATION:
APPLICANT: Jacobsen, J. S.
APPLICANT: Vitek, M. P.
TITLE OF INVENTION: No. 5693478el Amyloid Precursor and Method of
TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
TITLE OF INVENTION: of B-Amyloid Peptide
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Campus Drive
CITY: Parsippany
STATE: New Jerses
COUNTRY: United States

ADDRESSEE: American Cyanamid Company
STATE: New Jerses
COUNTRY: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 34; DB 1; Length 63; 100.0%; Pred. No. 1; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 07054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , MOLECULE TYPE: protein US-08-123-659A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25 KLVFFAQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-464-247A-3
```

ò 셤

```
GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Roberts, Eugene

TITLE OF INVENTION: Improve the Quality of Life

TITLE OF INVENTION: Improve the Quality of Life

FILE REFERENCE: 2124-310

CURRENT PELICATION NUMBER: US/09/264,709A

CURRENT PELING DATE: 1999-03-09

PRIOR APPLICATION NUMBER: 08/797,782

PRIOR APPLICATION NUMBER: 08/797,782

NUMBER OF SEQ ID NOS: 39

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                    STREET: 1500 East Duarte Road
CITY: Duarte
STATE: California
COUNTRY: United States of America
ZIP: 91010-0263
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4" diskette
COMPUTER: Wang PC
OPERATING SYSTEM: MS DOS Version 3.20
SOFTWARE: Microsoft
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/127,904
FILING DATE: 29 September 1993
CLASSIFICATION: 424
FRICH APPLICATION DATA: NO. 5470951e
ATTORNEY/AGENT INFORMATION:
NAME: Irons, Edward S.
REGISTRATION NUMBER: 16,541
REFERENCE/DOCKET NUMBER: NO. 5470951e
TELECOMMUNICATION INFORMATION:
    Quality of Life in Individuals With Alzheimer Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 1; 1
Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 31; DB 3; I
Pred. No. 4.1e+05;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 13, Application US/09264709A
; Patent No. 6320024
                                                                                     ADDRESSEE: City of Hope
STREET: 1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
TELEX: No. 5470951e
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
Best Local Similarity 85.7
Lac 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
  TITLE OF INVENTION: Qui
TITLE OF INVENTION: Wil
NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CORGANISM: Homo sapiens
US-09-264-709A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: Unknown
US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match.
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVPPAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-264-709A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                          .;
0
                                                                                                                                                                                                              Sequence 6, Application US/08339708A
Patent No. 603751
GENERAL INFORMATION:
APPLICANT: Sato, Masahiro
APPLICANT: Takashi, Kobayashi
APPLICANT: Tada, No. 6037521ihiro
APPLICANT: Shoji, Mikio
APPLICANT: Shoji, Mikio
APPLICANT: Rabayashi, Takeshi
TITLE OF INVENTION: TRANSGENIC ANIMAL MODEL FOR ALZHEIMER'S
TITLE OF INVENTION: DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 3; Length 99;
                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE: 14-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 3D 306026/93

FILING DATE: 12-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: SANDERCOCK, COLIN G.

REGISTRATION NUMBER: 31,298

REGISTRATION NUMBER: 31,298

REGISTRATION NUMBER: 31,298

TELECOMMUNICATION INFORMATION:

TELEFRANCE/DOCKET NUMBER: 026083/0159

TELEFRANCE/OCKET NUMBER: 026083/0159

TELEFRANCE/OCKET NUMBER: 026083/0159

TELEFRANCE/OCKET NUMBER: 026083/0159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 14, Application US/08127904
Patent No. 5470951
GENERAL INFORMATION:
APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method For Antagonizing
TITLE OF INVENTION: Amnestic Effects of Amyloid n
TITLE OF INVENTION: Procein and Improving the
100.0%; Pred. No. 1;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIDLE
OPERATING SYSTEM: PC_DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 904136
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
  Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & La
                                                                                                1||||||
25 KLVFFAQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |||||||
16 KLVFFAQ 22
                                                                   1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFAQ 7
                                                                                                                                                                          RESULT 11
US-08-339-708A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-339-708A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-127-904-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 12
                                                                   ઠે
                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
```

Gaps

ö

ö

Gaps

```
APPLICANT: STOCH-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: DOMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 31; DB 2; 1
Pred. No. 4.1e+05;
1; Mismatches 0,
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CIIY: Washington
                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1, Application US/08766596A; Patent No. 6462171; GENERAL INFORMATION:
                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: linear;
; MOLECULE TYPE: peptide
US-08-630-645-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFAE 7
                                  CITY: WAShirs-
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: D.C.
COUNTRY: USA
ZIP: 20004
                                                                                 COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-766-596A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
TITLE OF INVENTION: THEREOF POR TERATMENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: MITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 31; DB 5; Pred. No. 4.1e+05;
                                                                                                            TITLE OF INVENTION: Method For TITLE OF INVENTION: Method For TITLE OF INVENTION: Antagonizing Amnestic TITLE OF INVENTION: Effects of Amyloid n TITLE OF INVENTION: Brotein and Improving TITLE OF INVENTION: the Quality of Life TITLE OF INVENTION: in Individuals TITLE OF INVENTION: with Alzheimer Disease NUMBER OF SEQUENCES: 15 CORRESPONDENCE ADDRESS:

ADDRESSEE: City of Hope
                                                                                                                                                                                                                                                                                                                                        CITY: Duarte
STATE: California
COUNTRY: United States of America
ZIP: 91010-0269
COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4"
MEDIUM TYPE: diskette
COMPUTER: Wang PC
COMPUTER: Wang PC
COMPUTER: Wang PC
COMPUTER: Marcrosoft
SOFFWARE: Microsoft
CURRENT APPLICATION DATA:
HAPPLICATION NUMBER: PCT/US94/10475
FTLING DATE: 16 September 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                           Sequence 14, Application PC/TUS9410475
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NESDLA L. 105-03-645-1
15 Sequence 1, Application US/08630645
15 Patent No. 5948763
15 GENERAL INFORMATION:
15 APPLICANT: SOTO-JARA, Claudio
17 APPLICANT: BAUNANN, MATC
18 APPLICANT: FRANGIONE, Blas
18 APPLICANT: FRANGIONE, Blas
19 PERMITTER AND
                                                                                                                                                                                                                                                                                                            3: City of Hope
1500 East Duarte Road
                                                                                                  APPLICANT: Eugene Roberts
TITLE OF INVENTION: Method For
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: None
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
TOPOLOGY: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||||||:
1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US94-10475-14
                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
```

Gaps ;

```
Sequence 64, Application US/08766596A
; Ratent No. 6462171
; GENERAL INFORMATION:
    APPLICANT: SOTO-JARA, Claudio
    APPLICANT: SOTO-JARA, Claudio
    APPLICANT: BAUMANN, Marc
    APPLICANT: BAUMANN, Marc
    APPLICANT: FRANGIONE, Blas
    TITLE OF INVENTION: DEPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
    TITLE OF INVENTION: DEPOSITS
    NUMBER OF SEQUENCES: 69
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: BROWDY AND NEIMARK
    STREET: 419 Seventh Street, N.W., Suite 400
    CITY: Washington
    STATE: D.C.
    COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                               4.1e+05;
--- 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  91.2%; Score 31; DB 4; Length 9; 85.7%; Pred. No. 4.1e+05; ive 1; Mismatches 0; Indels
                                                                                      Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                    91.2%; Score 31; DB 5;
85.7%; Pred. No. 4.1e+05
tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA-1
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                    Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 85.7
Matches デージ・ Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                    MOLECULE TYPE: peptide pcT-US96-10220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
  TOPOLOGY: linear
                                                                                                                                                                           1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFAQ 7
                                                                                                                                                                                                                    1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KLVFFAE 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino a STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                    RESULT 18
US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-766-596A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  · Query Match
                                                                                                                                                                             ò
                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 4; Length 8; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
RAPLICATION NUMBER: PCT/US96/10220
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISTILLE OF INVENTION: WITH PROTEIN FOLDING INTO AM NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESSE: BROWDY AND NEIMARK STREET: 419 Seventh Street, N.W., Suite 400 CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25,618
SR: SOTO-JARA=1 PCT
                                                      PFILING DATE: 0.75 AFA 1230
PFILING DATE: 0.75 AFA 1230
APPLICATION NUMBER: US 08/478,326
FILING DATE: 0.6-4UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REPERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION WUMBER:
FILING DATE: 06-UNA-1995
PRIOR APPLICATION DATA:
APPLICATION WUMBER: US 08/630,645
FILING DATE: 10-APR-1996
ATTORNEY/AGENT INFORMATION:
                      APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application PC/TUS9610220 GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: SO TELECOMMUNICATION: 105-628-5197
                                                                                                                                                                                                                                                        TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: BROWDY, Roger L. REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: peptide US-08-766-596A-1
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |||||||
KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US96-10220-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
```

Gaps

```
GENERAL INCORMATION:
GENERAL INCORMATION:
GENERAL INCORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Date B.
APPLICANT: Vasquez, Nicki
CURRENT ELENETRENCE: 15570J-004750UC
CURRENT APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 1099-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: WO PCT/USO0/14810
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR FILING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide, OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 31; DB 4;
Pred. No. 0.73;
1; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91.2%; Score 31; DB 4;
85.7%; Pred. No. 0.73;
tive 1; Mismatches
PRIOR APPLICATION NUMBER: US 60/067,740 PRIOR FILING DATE: 1997-12-02 NUMBER OF SEQ ID NOS: 77 SOFTWARE. Patentin Ver. 2.1 SEQ ID NO 21 LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 22
US-09-724-961-23
'Sequence 23, Application US/09724961
'Patent No. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 22, Application US/09724961
Patent No. 6743427
                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                 91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 KLVFFAE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 KLVFFAE 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-724-961-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 12200-04750UC
CURRENT APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
PRIOR FILING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR FILING DATE: 1998-11-30
PRIOR PLICATION NUMBER: US 06/080,970
PRIOR FILING DATE: 1998-04-07
                                                             Sequence 3, Application US/08970833
Patent No. 6022859
GENERAL INFORMATION:
APPLICANT: Kiessling, Laura L.
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA-AMYLOID TOXICITY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 411 East Wisconsin Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                      ADDRESSE: Quartes & Brady
STREET: 411 East Wisconsin Avenue
CITY: Milwaukee
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53202-4497
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 31; DB 3
Pred. No. 0.73;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21, Application US/09724961
Patent No. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: BAKET, JGan C.
REGISTRATION NUMBER: 35,433
REFRERICE/POCKET NUMBER: 9602
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (414) 277-5709
TELEFRAX: (414) 271-552
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide US-08-970-833-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 20
US-09-724-961-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    엄
```

ö

Gaps

Gaps

ö

```
| GENERAL INCOMENTION:
| GENERAL INCOMENTION:
| APPLICANT: Schenk, Dale B. |
| APPLICANT: Bard, Frederique |
| APPLICANT: Bard, Frederique |
| APPLICANT: Pednock, Ted |
| TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease |
| TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease |
| CURRENT APPLICATION NUMBER: US/09/580,018 |
| CURRENT PILING DATE: 1590-05-28 |
| PRIOR PILING DATE: 1999-05-28 |
| NUMBER OF SEQ ID NOS: 77 |
| SEQ ID NOS: 77 |
| SEQ ID NO: 22 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
TITLE REPERENCE: 12270J 004760US
CURRENT APPLICATION NUMBER: US 09/322,289
FRICH FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOGTWARER: Patentin Ver. 2.1
SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
                             OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                          Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                          91.2%; Score 31; DB 4;
85.7%; Pred. No. 0.73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 4;
Pred. No. 0.73;
1; Mismatches
                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 21, Application US/09580018
; Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 22, Application US/09580018 Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                            Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 KLVFFAE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFAO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-580-018-22
                                                                                                                     ; OTHER INFORM
US-09-724-961-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 24
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORM
US-09-580-018-21
                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 24, Application US/09724961

Sequence 24, Application US/09724961

Sequence 24, Application US/09724961

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Vednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 15270J-004750UC

CURRENT APPLICATION NUMBER: US/09/724,961

CURRENT FILING DATE: 2000-01-28

PRIOR FILING DATE: 1999-05-28

PRIOR FILING DATE: 1999-05-28

PRIOR FILING DATE: 1999-11-30

PRIOR FILING DATE: 1999-11-30

PRIOR FILING DATE: 1998-11-30

PRIOR PRI
        GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Sard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US 09/580,015
PRIOR PAPLICATION NUMBER: US 09/580,015
PRIOR PAPLICATION NUMBER: US 09/201,430
PRIOR PILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: WS 09/201,430
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-04-07
PRIOR FILING DATE: 1998-04-07
PRIOR PILING 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-961-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 31; DB 4; Length 10;
Pred. No. 0.73;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KLVFFAE 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 23
US-09-724-961-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 24
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

ö

Gaps

.. 0

Gaps

```
Sequence 21, Application US/09724551
Fatent No. 6787637
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152705-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT PILING DATE: 2000-11-28
FRIOR FILING DATE: 2000-01-28
FRIOR FILING DATE: 1999-05-26
FRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 21
LIENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-724-551-22

Sequence 22, Application US/09724551

Patent No. 6787637

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Wednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

CURRENT APPLICANT: Vado of Valous

FRIOR APPLICATION NUMBER: US/09/724,551

CURRENT FILING DATE: 2000-05-26

FRIOR APPLICATION NUMBER: US 09/322,289

FRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                      .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     91.2%; Score 31; DB 4; Length 10; 85.7%; Pred. No. 0.73; artive 1; Mismatches 0; Indels
       Score 31; DB 4; Length 10;
                                                      0; Indels
                              Pred. No. 0.73;
1; Mismatches
    1.2%;
Similarity 85.7%;
6; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
5, Conserv?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 KLVFFAE 10
                         Best Local Similarity Matches 6; Conserv
                                                                                                1 KLVFFAQ 7
                                                                                                                                        1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KLVFFAQ 7
                                                                                                                                                                                                             RESULT 28
US-09-724-551-21
         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                   ò
                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                        .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 24, Application US/09580018

Sequence 24, Application US/09580018

Sequence 24, Application US/09580018

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Pard, Frederique

APPLICANT: Yednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REPERENCE: 152703-004760US

CURRENT FILING DATE: 2000-05-26

FRIOR APPLICATION NUMBER: US/09/580,018

FRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SEQ ID NO 24

LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REFERENCE: 15270J 004760US
CURRENT APPLICATION NUMBER: US 09/322,289
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR PILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid:19-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid ; OTHER INFORMATION: peptide)
US-09-580-018-24
                                                                                                                     ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                      Score 31; DB 4; Length 10;
Pred. No. 0.73;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 31; DB 4; Length 10;
Pred. No. 0.73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                  Sequence 23, Application US/09580018
Patent No. 6761888
                                                                      91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Artificial Seguence
; OTHER INFORMATION: peptide)
US-09-580-018-22
                                                                  Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                                                                               KLVFFAE 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KLVFFAE 8
                                                                                                                                                                                                                                                                            RESULT 26
US-09-580-018-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 27
US-09-580-018-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE
                                                                                                                                                                ò
                                                                                                                                                                                                        임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         엄
```

ö

Gaps

```
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS LENGTH: 11 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 6; Conserv
                                         Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                              1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Was.....
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFAQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-766-596A-14
                                                                                                                                                                                                                      RESULT 32
US-08-630-645-14
    US-09-724-551-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-630-645-14
                                                                                                                       ઠે
                                                                                                                                                          d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <u>В</u>,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                           ö
                                                                                                                                                                                                                        Sequence 23, Application US/09724551

Fatent No. 6787637

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Bard, Frederique

APPLICANT: Pédnock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 152700-004760US

CURRENT APPLICATION NUMBER: US/09/724,551

CURRENT FILING DATE: 2000-11-29

FRIOR FILING DATE: 2000-11-29

FRIOR FILING DATE: 1999-6-26

FRIOR FILING DATE: 1999-6-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: PATENTING OF SEQ ID NOS: 77

SEQ ID NO 23

LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NESULT 31
US-09-724-511-24
i Sequence 24, Application US/09724551
i Patent No. 6787637
i GENERAL INFORMATION:
i APPLICANT: Schenk, Dale B.
i APPLICANT: Pednock, Ted
i TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
i TILLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
i TILLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
i TILLE OF INVENTION: PO04760US
i CURRENT APPLICATION NUMBER: US/09/724,551
i CURRENT FILLING DATE: 2000-11-28
i PRIOR FILLING DATE: 2000-11-28
i PRIOR FILLING DATE: 1999-06-28
i NUMBER OF SEQ ID NOS: 77
i SEQ THANE: PatentIN Ver. 2.1
i SEQ ID NO 24
i LENGTH: 10
                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                    Score 31; DB 4; Length 10; Pred. No. 0.73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 31; DB 4; Length 10; Pred. No. 0.73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
Query Match
Best Local Similarity 85.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                              1 KLVFFAQ 7
                                                                                                                                     3 KLVFFAE 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 KLVFFAE 8
                                                                                                                                                                                                                US-09-724-551-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-724-551-23
                                                                                                  ઠે
                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

```
Sequence 14, Application US/08630645
Sequence 14, Application US/08630645
Patent No. 5248763
PAPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
                                              ö
                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
  Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2; Length 11; 0.81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AUDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
Score 31; DB 4;
Pred. No. 0.73;
                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 31;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37,971
3ER: SOTO-JARA=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
APPLING DATE: 06-UNN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGIGTMATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 14, Application US/08766596A; Patent No. 6462171; GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         91.2%;
85.7%;
```

```
Sequence 14, Application PC/TUS9610220
Sequence 14, Application PC/TUS9610220
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL COMPOSITIONS
TITLE OF INVENTION: THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED
TITLE OF INVENTION: WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS;
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                       Sequence 25, Application US/0998842
; Sequence 25, Application US/0998842
; Patent No. 6716589
; GENERAL INFORMATION:
; TITLE OF INVENTION: DISCORDANT HELIX STABILIZATION FOR PREVENTION
; TITLE OF INVENTION: OF AMYLLID FORMATION
; TITLE OF INVENTION: OF AMYLLID FORMATION
; TITLE OF INVENTION: OF AMYLLID FORMATION
; CURRENT APPLICATION UNMBER: US/09/988,942
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: US 60/251,662
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FASEEQ for Windows Version 4.0
; SEQ ID NO 25

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 11;
                                                                                                         Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: PCT/US96/10220 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Synthetically generated peptide US-09-988-842-25
ORGANISM: Artificial Sequence
FEATURE:
US-09-988-842-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               91.2%; Score 31; DB 4;
85.7%; Pred. No. 0.81;
tive 1; Mismatches
                                                                                                         Score 31; DB 4;
Pred. No. 0.81;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20004
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                              91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 KLVFFAE 8
                                                                                                                                                                                                       1 KLVFFAQ 7
                                                                                                                                                                                                                                              2 KLVFFAE 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: WASHLESSTATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCT-US96-10220-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                 셤
              TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 9, Application US/0998842;
Sequence 9, Application US/0998842;
Fatent No. 6716589;
GENERAL INFORMATION:
APPLICANT: JOHANSON, Jan
TITLE OF INVENTION: DISCREDANT HELIX STABILIZATION FOR PREVENTION;
TITLE OF INVENTION: OF AMYLDID FORMATION
TITLE OF INVENTION: OF AMYLDID FORMATION;
CURRENT APPLICATION NUMBER: US/09/98,842
CURRENT APPLICATION NUMBER: US 60/251,662
PRIOR APPLICATION NUMBER: US 60/251,662
PRIOR APPLICATION NUMBER: US 60/253,695
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9;
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                          ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 31; DB 4
Pred. No. 0.81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNDAER:
ILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
PILING DATE: 06-UN-1995
ATTORNEY/AGBNT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELECOMMUNICATION INPORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       91.2%;
85.7%;
         FRANGIONE, Blas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 85./
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 KLVFFAE 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-766-596A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-988-842-9
```

셤 ò

```
USSN 08/404,831
                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 14: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (617) 742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER:
       Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
6; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-612-785B-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       윱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 6582445

Fatent No. 6582445

GENERAL INFORMATION:
APPLICANT RABO, VICTOR
TITLE OF INVENTION:
FILE REFERENCE: BERI-2004
CURRENT APPLICATION NUMBER: US/09/594,366
CURRENT APPLICATION NUMBER: 60/139,408
PRIOR APPLICATION NUMBER: 60/139,408
PRIOR FILING DATE: 1999-06-16
NUMBER OF SEQ ID NOS: 7

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5

LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NESULA : 2.08-14

US-08-612-785B-14

Sequence 14, Application US/08612785B

Parent No. 5842404

APPLICANT: Findeis, Mark A. et al.

TITLE OF INVENTION: AD Peptides that Modulate b-Amyloid

TITLE OF INVENTION: Aggregation

TITLE OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKPIELD

STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 14;
                                                                                                                                                                                                                                                                                                                                                                                               DB 5; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
ATTORNEY AGENT INFORMATION:
NAME: BROWDY, ROGER L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SOTO-JARA=1 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 31; DB 4
Pred. No. 1;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                               Score 31;
Pred. No.
                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 14: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  91.2%;
85.7%;
                                                                                                                                                                                                                                                                      LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                           Ouery Match Best Local Similarity 85.79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                202-737-3528
                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: linear;
; MOLECULE TYPE: peptide
PCT-US96-10220-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
US-09-594-366-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 KLVFFAE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 KLVFFAE 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-594-366-5
                                                                                                                                                                                                                                                                  LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-612-785B-37

Sequence 37, Application US/08612785B

Sequence 37, Application US/08612785B

GENERAL INFORMATION:

APPLICANT: Findeis, Mark A. et al.

TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid

TITLE OF INVENTION: Aggregation

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD

STREET: 28 State Street, Suite 510

CITY: Boston

STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDLUM TYPE: RIOPDY disk
COMPUTER: IBM PC compatible
COMPUTER: DEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: 514
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 31; DB 2;
Pred. No. 1.1;
1; Mismatches
```

```
Sequence 56, Application US/08766596A

Sequence 56, Application US/08766596A

Sequence 56, Application US/08766596A

PapelICANT: No. 6462171

APPLICANT: SOTO-JARA, Claudio

APPLICANT: BAUMANN, Marc

APPLICANTION: OMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES

TITLE OF INVENTION: DEPOSITS

TITLE OF INVENTION: DEPOSITS

TITLE OF INVENTION: DEPOSITS

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:

ADDRESSES: BROWDY AND NEIMARK

STREET: 419 Seventh Street, N.W., Suite 400

STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               91.2%; Score 31; DB 4; Length 15; 85.7%; Pred. No. 1.1; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                       DB 3; Length 15;
                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

CONTANEN: PatentlN: PC-DOS/MS-DOS

SOCTAMEN: PELLOATION DATA:

APPLICATION NUMBER: US/08/766,596A

FILING DATE:

CLASSIFICATION

FILING DATE:

REPORTATION NUMBER: US 08/630,645

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/478,326

PRIOR APPLICATION NUMBER: US 08/478,326

PRIOR APPLICATION NUMBER: 37,971

REFERRATION NUMBER: 37,971
                                                                                                                                                                                                                                                      Pred. No. 1.1;
1; Mismatches
                                                                                                                                                                                                                              Score 31;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 202-73/-5522
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
FRNGTH: 15 amino acids
                                                                                                                                                                                                                          Query Match 91.2%;
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                      MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFAQ 7
                                  amino acid
                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 41
US-08-766-596A-56
                                  TYPE: ami
                                                                                                                                                                      US-08-617-267C-14
      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 14, Application US/08617267C

Sequence 14, Application US/08617267C

Patent No. 6319498

GENERAL INFORMATION:
APPLICANT: Findels, Mark A. et al.
TITLE OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: BOACON
STATE: Massachusetts
COUNTRY: USA
ZITE: 02109-1875

COMPUTER: IBM PC COMPATIBLE
COMPUTER: PARDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
CORPUTER: PATENTIN PC-DOS/MS-DOS
SOFTWARE: PATENTIN PATA:
CORPUTER: 14-MAR-1996
PRIOR APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-CT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-CT-1995
ATTORNEY/AGENT NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION:
TEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 2;
Pred. No. 1.1;
1; Mismatches 0
      PILING DATE: 14-MAR-1995
PRICRA APPLICATION DATA:
APPLICATION NUMBER: USEN 08/475,579
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USEN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECORLI, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
ITELEPAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 14: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 KLVFFAE 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-617-267C-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-612-785B-37
```

셤 ò

```
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BRANGIONE, BLAS
APPLICANT: BRANGIONE, BLAS
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
WUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
      ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: "Washington
                                                                                                    STREET: 419 Seventh Street, N.W., Suite 400 CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 31;
                                                                                                                                                                                                                                                                                                                                                            CLASSIPICATION: 435
CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION UNBER: US 08/478,326
FILING DATE: 06-UNN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                               ZIP: 2004
COMPUTER REARABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 61, Application US/08766596A; Patent No. 6462171; GENERAL INFORMATION:
                                                                                   BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IBM PC compatible
                         DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                      TITLE OF INVENTION: DE
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
    TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
STRANDEDNESS: Bi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KLVFFAQ 7
                                                                                                                          CITY:
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE: D.C.
                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U
                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-766-596A-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-766-596A-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       유
                                                                                                                                                        APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: RANDANN, Marc
APPLICANT: RANDANN, Marc
APPLICANT: FRANDANONE, Blas
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 58, Application US/08766596A
Patent No. 6462171
GENERALI INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRAUMGIONE, BLas
APPLICANT: PREPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 31; DB 4; Length 15;
Pred. No. 1.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: 1E PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SCTO-JARA=1A
TELECOMMULCATION:
TELECOMMULCATION: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION UNBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY AGENT INFORMATION:
NAME: YUN, Allen C.
                                                                                           Sequence 57, Application US/08766596A
Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
    5 KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-766-596A-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 43
US-08-766-596A-58
                                                                             US-08-766-596A-57
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

```
Sequence 65, Application US/08766596A
Patent No. 6462171
GENERAL INFORMATION:
APPLICANT:
BAPTICANT:
APPLICANT:
PRANKIONE, Blas
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID LIKE
TITLE OF INVENTION: BEPOSITS
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID LIKE
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TOWNERS OF SEQUENCES:
ADDRESSEE: BROWDY AND NEIGHBARK
ADDRESSEES: BROWDY AND NEIGHBARK
ADDRESSEES: BROWDY AND NEIGHBARK
ADDRESSEES: BROWDY AND NEIGHBARK
ADDRESSEES: BROWDY AND NEIGHBARK
ADDRESSEED: BROWD AND NEIGHBARK
ADDRESSEED: BROWD AND NEIGHBARK
ADDRESSEED: BROWD AND NEIGHBARK
ADDRESSEED: BROWD AND AND NEIGHBARK
ADDRESSEED: BROWD AND BROWD BROW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    91.2%; Score 31; DB 4; Length 15; 85.7%; Pred. No. 1.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             B: BROWDY AND NEIMARK
419 Seventh Street, N.W., Suite 400
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE DOCKET NUMBER: SOTO-JARA=1A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 63: SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TYPE: amino acid
STRANDENNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1
TELECOMMUNICATION INFORMATION:
TELEPHNDE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 419 sever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5 KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 46
US-08-766-596A-65
                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-766-596A-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           рр
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence (3), Application US/08766596A

Sequence (462171

GENERAL INFORMATION:
APPLICANT: SCOTO-JARA, Claudio
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: PEPTIDES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID LIKE
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 31; DB 4; Length 15; Pred. No. 1.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
      OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                   FILING DATE:
CLASSIFICATION: 415
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UNN-1995
ATTORNEY AGENT INFORMATION:
NAME: VUN, Allen C.
REGISTRATION NUMBER: SOTO-JARA=1A
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION OF 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-766-596A-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-766-596A-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
```

ò d

```
US-08-970-833-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Roberts, Eugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
FILE REFERENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
CURRENT FILING DATE: 1999-03-09
PRIOR APPLICATION NUMBER: 08/797,782
PRIOR FILING DATE: 1999-02-07
NUMBER OF SEQ ID NOS: 39
                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Raso, Victor
TITLE OF INVENTION: IMMUNOLOGICAL CONTROL OF BETA-AMYLOID LEVELS IN VIVO
TITLE OF INVENTION: IMMUNOLOGICAL CONTROL OF BETA-AMYLOID LEVELS IN VIVO
CURRENT APPLICATION NUMBER: US/09/594,366
CURRENT APPLICATION NUMBER: 60/139,408
PRIOR APPLICATION NUMBER: 60/139,408
PRIOR FILING DATE: 1999-06-16
NUMBER OF SEQ ID NOS: 7
SSOFTWARE: PATENTIN Ver. 2.0
SSOFTWARE: PATENTIN Ver. 2.0
LENGTH: 17
                                                                                 Gaps
                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                     Score 31; DB 4; Length 15; Pred. No. 1.1; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 31; DB 4; Length 17;
Pred. No. 1.3;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         91.2%; Score 31; DB 3; Length 17;
85.7%; Pred. No. 1.3;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 49
US-08-970-833-11
; Sequence 11, Application US/08970833
                                                                                                                                                                                                                 RESULT 47
US-03-264-709A-2
'S Gouence 2, Application US/09264709A
'Patent No. 6320024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 3, Application US/09594366
Patent No. 6582945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patentin Ver. 2.1
                                     Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
US-09-264-709A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) ORGANISM: Homo sapiens
US-09-594-366-3
                                                                                                                                           ||||||:
5 KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |||||||
5 KLVFFAE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8 KLVFFAE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFAQ 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFAQ 7
                                                                                                                  1 KLVPFAQ 7
US-08-766-596A-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-594-366-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: P
SEQ ID NO 2
LENGTH: 17
                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

```
US-09-723-384-5

Sequence 5, Application US/09723384

Sequence 5, Application US/09723384

Sequence 5, Application US/09723384

Sequence 5, Application US/09723384

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 15270J-004740US

CURRENT FILING DATE: 2000-11-28

PRIOR FILING DATE: 1999-05-28

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PATENTIN Ver. 2.1

SEQ ID NO 5

TYPE: PRT

TYPE: PRT

SEQUENCE: SEQUENCE

SEQUENCE: SE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence:Abetal3-28
OTHER INFORMATION: peptide with carboxyl terminal Cys residue
OTHER INFORMATION: inserted and two added Gly residues
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: Xaa = acetyl histidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
GENERAL INFORMATION:
APPLICANT: Kiessling, Laura L.
APPLICANT: Murphy, Regina M.
TITLE OF INVENTION: INHIBITORS OF BETA-AMYLOID TOXICITY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CUUNTRY: WIGGORIAN
CUNTRY: U.S.A.
ZIP: 53202-4497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Ralease #1.0, Version #1.25
SOFTWARE: Patentin Ralease #1.0, Version #1.25
CURRENT APPLICATION DATE:
CLASSIFICATION NUMBER: US/08/970,833
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Jean C.
REGISTRATION NUMBER: 35,433
REFRENCE/CONCET NUMBER: 35,433
REFRENCE/CONCET NUMBER: 35,733
REFRENCE/CONCET NUMBER: 35,733
REFRENCE/CONCET NUMBER: 35,733
REFRENCE/CONTROL INFORMATION:
TELEPHONE: (414) 277-5709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 31; DB 3;
Pred. No. 1.4;
1; Mismatches
                                                                                                                                                                                                                                                              ADDRESSEE: Quarles & Brady
STREET: 411 East Wisconsin Avenue
CIIY: Milwaukee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (414) 271-3552
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Wisconsin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 KLVPFAE 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFAQ 7
```

US-09-723-384-5

0; Gaps Query Match 91.2%; Score 31; DB 4; Length 19; Best Local Similarity 85.7%; Pred. No. 1.4; Matches 6; Conservative 1; Mismatches 0; Indels

0

1 KLVFFAQ 7 ||||||: 4 KLVFFAE 10

ò g

Search completed: March 9, 2005, 06:43:04 Job time : 18.6986 secs



50 100.0 28 3 US-09-388-890-8 Sequence 8, 50 100.0 28 3 US-09-388-890-13 Sequence 13, 50 100.0 28 3 US-09-388-890-14 Sequence 14, 50 100.0 28 3 US-09-388-890-14 Sequence 14, 50 100.0 28 3 US-09-36-37003-14	50 100.0 28 3 US-09-284-709A-1 Sequence 1, 50 100.0 28 4 US-09-660-954-2 Sequence 2, 50 100.0 28 4 US-09-660-954-3 Sequence 3, 50 100.0 28 4 US-09-660-954-4 Sequence 3, 50 100.0 28 4 US-09-660-954-4 Sequence 4, 50 100.0 28 4 US-09-660-954-4 Sequence 5, 50 100.0 28 4 US-09-660-954-5 Sequence 5, 50 100.0 28 4 US-09-660-954-5	50 100.0 28 4 US-09-660-954-6 Sequence 6, 50 100.0 28 4 US-09-660-954-8 Sequence 7, 50 100.0 28 4 US-09-660-954-8 Sequence 8, 50 100.0 28 4 US-09-660-954-12 Sequence 12,	50 100.0 28 4 US-09-660-954-13 Sequence 13, 50 100.0 28 4 US-08-898-300-4 Sequence 4, 50 100.0 28 4 US-08-898-513-4 Sequence 4, 50 100.0 28 4 US-08-824-513-4 Sequence 4, 50 100.0 28 4 US-08-824-513-4 Sequence 4, 50 100.0 59 4 US-08-824-513-	50 100.0 30 2 US-08-609-090-3 Sequence 1, 50 100.0 33 2 US-08-609-090-4 Sequence 4,	50 100.0 35 1 US-08-612-785B-36 Sequence 56, 50 100.0 35 2 US-08-612-785B-36 Sequence 38, 50 100.0 35 2 US-08-612-785B-38 Sequence 38,	50 100.0 35 2 US-08-612-785B-40 Sequence 40, 50 100.0 36 2 US-08-609-090-6 Sequence 6, 50 100.0 36 4 US-09-861-847A-6 Sequence 6, 50 100.0 36 4 US-09-861-847A-11 Sequence 11,	00.0 38 1 05-08-302-808-1 Sequence 00.0 38 2 US-07-37-371E-68 Sequence 00.0 39 1 US-08-304-585-5 Sequence 00.0 39 1 US-08-302-808-2 Sequence 00.0 39 2 US-08-609-090-7 Sequence 00.0 39 2 US-08-609-090-7 Sequence 00.0 39 2 US-08-682-2455-1 Sequence	50 100.0 40 1 US-07-744-767A-1 Sequence 1, 50 100.0 40 1 US-08-235-400-2 Sequence 2,	ALIGNMENTS	ESULT 1 S-09-747-4	; Sequence 20, Application US/09747408 ; Patent No. 6670399 ; GENERAL INFORMATION: ; APPLICANT: Green, Allan M.	; APPLICANT: Gervais, Francine ; TITLE OF INVENTION: Compounds And Methods For Modulating ; TITLE OF INVENTION: Cerebral Amyloid Angiopathy	; FILE REFERENCE: NBI-088 ; CURRENT APPLICATION NUMBER: US/09/747,408	; CURRENT FILING DATE: 2000-12-22 ; PRIOR APPLICATION NUMBER: 60/171,877 ; PRIOR FILING DATE: 1949-12-23	; NUMBER OF SEQ ID NOS: 24 ; SOFTWARE: FastSEQ for Windows Version 4.0	; SEQ ID NO 20 ; LENGHH: 9 ; TYPE: PRT	; ORGANISM: Homo mapiens US-09-747-408-20	Query Match Best Local Similarity 100.0%; Pred. No. 4.18+05; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	Qy 1 HHQKLVFFA 9 .	Db 1 HHQKLVFFA 9
GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.	OM protein - protein search, using sw model Run on: March 9, 2005, 06:11:36; Search time 24.0411 Seconds (without alignments) 27.946 Million cell updates/sec	Title: US-10-009-122-20 Perfect score: 50 Sequence: 1 HHQKLVFFA 9	62 10.0 , Gapext 0.5	: mber of hits sa	Minimum DB seq length: 0 Maximum DB seq length: 2000000000	Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries	Database: Issued_Patents_AA:* 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:* 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:* 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:* 4: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:* 5: /cgn2_6/ptodata/1/iaa/BCTUS_COMB.pep:* 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SUMMARIES	Result Query No. Score Match Length DB ID Description	50 100.0 9 4 US-09-747-408-20 Sequence 20, 50 100.0 10 4 US-09-724-961-20 Sequence 21, 50 100.0 10 4 US-09-724-961-21 Sequence 21,	50 100.0 10 4 US-09-580-018-20 Sequence 20, 50 100.0 10 4 US-09-580-018-21 Sequence 21, 50 100.0 10 4 US-09-724-551-20 Sequence 20,	50 100.0 10 4 US-09-724-551-21 Sequence 21, 50 100.0 15 2 US-08-612-785B-37 Sequence 37,	9 50 100.0 15 4 US-08-766-596A-60 Sequence 60, 50 100.0 15 4 US-08-766-596A-61 Sequence 61, 50 100.0 15 4 US-08-766-556A-63 Sequence 61,	2 50 100.0 15 4 US-08-766-596A-65 Sequence 65/3 50 100.0 17 3 US-09-264-709A-2 Sequence 2,	4 50 100.0 17 4 US-09-594-366-3 Sequence 3, 5 50 100.0 26 1 US-08-346-885-7 Sequence 7, 6 50 100.0 28 1 US-08-346-849-4 Sequence 7,	7 50 100.0 28 1 US-08-302-808-7 Sequence 7, 8 50 100.0 28 2 US-08-609-090-2 Sequence 2, 9 50 100.0 20 2 US-08-609-090-2 Sequence 3, 9 50 100.0 2 US-08-609-090-2 Sequence 3, 9 50 100.		3 50 100.0 28 3 US-09-388-890-3 Sequence 3, 4 50 100.0 28 3 US-09-388-890-4 Sequence 4, 5 50 100.0 28 3 US-09-388-890-5 Sequence 4,	6 50 100.0 28 3 US-09-388-890-6 Sequence 7, 50 100.0 28 3 US-09-388-890-7 Sequence 7,

Gaps

```
| Sequence 2.1. Application US/09580018 | Sequence 2.1. Application US/09580018 | Setent No. 6761888 | Setent No. 676188 | Setent No. 676188 | Setent No. 67618 | Setent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-580-018-20
; Sequence 20, Application US/09580018
; Parent No. 6761888
; GRNERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Bard, Frederique
; APPLICANT: Yed
; TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
; TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
; TITLE REPRENCE: 123703-004760US
; CURRENT APPLICATION NUMBER: US 09/309/580,018
; CURRENT FILING DATE: 2000-05-26
; PRIOR PLILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
100.0%; Score 50; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
100.0%; Score 50; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 21
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 HHOKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 5
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORM US-09-724-961-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 20
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                    Sequence 20, Application US/09724961

Sequence 20, Application US/09724961

Sequence 20, Application US/09724961

SETTING TO 6743427

SENDICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Bard, Frederique

APPLICANT: Vednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 15270J-004750UC

CURRENT APPLICATION NUMBER: US 09/724,961

CURRENT APPLICATION NUMBER: US 09/580,015

PRIOR APPLICATION NUMBER: US 09/580,015

PRIOR FILING DATE: 1998-11-30

PRIOR FILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Vaquez, Nicki
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750U7
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
FRIOR FILING DATE: 2000-65-26
FRIOR PLING DATE: 1990-65-28
FRIOR FILING DATE: 1998-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Application US/09724961
Patent No. 6743427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 HHOKLVEFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 HHQKLVFFA 9
                                                                  RESULT 2
US-09-724-961-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-724-961-21
```

qq ò

ö

Gaps

Gaps

.. 0

```
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
100.0%; Score 50; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0031;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                            Query Match 100.0%; Score 50; DB 4; Length 10; Best Local Similarity 100.0%; Pred. No. 0.0021; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Massachusetts
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
FLING DATE: IBM NUMBER: USSN 08/475,579
FLING APPLICATION NUMBER: USSN 08/475,579
FLING APPLICATION NUMBER: USSN 08/548,998
FRERENENCE/DOCKET NUMBER: PPI-002CP3
TELECOMMUNICATION NUMBER: PPI-002CP3
TELECOMMUNICATION NUMBER: PPI-002CP3
TELECOMMUNICATION NUMBER: PPI-002CP3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-612-785B-37; Sequence 37, Application US/08612785B; Patent No. 5854204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
                                    TYPE: PRT/
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                          1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
GY: linear
                                                                                                                                                                                               US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 6

US-09-724-551-20

Sequence 20, Application US/09724551

Patent No. 6787637

GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Schenck, Ted

TILE OF INVENTION:

FILE REFRENCE: 152704-004760US

CURRENT APPLICATION NUMBER: US/09/724,551

CURRENT APPLICATION NUMBER: US/09/580,018

PRIOR APPLICATION NUMBER: US/09/580,018

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SEQ ID NO 20

LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENENCE: 152703-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 21
                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                  FEATURE:
CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ô
                                                                                                                                                                                                                   Query Match
100.0%; Score 50; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 50; DB 4; Length 10; 100.0%; Pred. No. 0.0021; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21, Application US/09724551
Patent No. 6787637
TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |||||||||
2 HHQKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                          1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                              1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 7
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
```

ö

Gapa

셤

```
Sequence 63, Application US/08766596A

Sequence 63, Application US/08766596A

Patent No. 6462171

APPLICANT: SOTO-JARA, Claudio

APPLICANT: BAUMANN, Marc

APPLICANT: BAUMANN, Marc

APPLICANT: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES

TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE

TITLE OF INVENTION: DEPOSITS

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:
COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 50; DB 4; Length 15; 100.0%; Pred. No. 0.0031; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/766,596A FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       419 Seventh Street, N.W., Suite 400
                                                                                                                             ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIPCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION WUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                               ZIP: 2004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 61:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.
Best Local Similarity 100.
Matches 9; Conservative
                 TITLE OF INVENTION: COMITITE OF INVENTION: ASSETTILE OF INVENTION: DEPONDERS OF SEQUENCES: 69 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HHQKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                              CITY: WASDINGS.
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 11
US-08-766-596A-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-766-596A-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: D
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                    RESULT 9
US-08-766-596A-60
is Sequence 60, Application US/08766596A
is Sequence 60, Application US/08766596A
is Patent No. 6462171
is GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: BAUMANN, Marc
ITILE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
ITILE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
ITILE OF INVENTION: DEPOSITS
INUMBER OF SEQUENCES:
ADDRESSEE: BROWDY AND NEIMBARK
STREEFT: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 50; DB 4; Length 15; 100.0%; Pred. No. 0.0031; Eive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: PILING DATE: US/08/766,596A PILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 61, Application US/08766596A
Batent No. 6462171
GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRANGIONE, Blas
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DAILS:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APP-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-UNN-1995
ATTORNEY AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: SOTO-JARA-1A
REFERENCE/DOCKET NUMBER: SOTO-JARA-1A
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
TELEPAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 HHQKLVFFA 10
                      1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-766-596A-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 10
US-08-766-596A-61
```

ઠે

```
GENERAL INCOGNATION:
GENERAL INCOGNATION:
GENERAL INCOGNATION:
GENERAL INCOGNATION:
GENERAL INCOGNATION:
GENERAL INCOGNATION:
Method for Design of Substances that Enhance Memory and TITLE OF INVENTION: Improve the Quality of Life
FILE REFERENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
CURRENT FILING DATE: 1999-03-09
PRIOR FILING DATE: 1997-02-07
NUMBER OF SEQ ID NOS: 39
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Squence 3, Application US/09594366

Patent No. 6582945

GENERAL INFORMATION:
APPLICANT: Raso, Victor
TITLE OF INVENTION: 1MMUNOLOGICAL CONTROL OF BETA-AMYLOID LEVELS IN VIVO
FILE REFERENCE: BERI 2004
CURRENT APPLICATION NUMBER: US/09/594,366
CURRENT PILING DATE: 1999-06-16
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIN Ver. 2.0
SEQ ID NO 3
IMMUNICATION TO 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 50; DB 4; Length 15; Best Local Similarity 100.0%; Pred. No. 0.0031; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 50; DB 3; Length 17; Best Local Similarity 100.0%; Pred. No. 0.0036; Matches 9; Conservative 0; Mismatches 0; Indels
                                  ATJUARDAL/ADMANS.
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
TELECOMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEPAK: 202-737-3528
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acid8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 2, Application US/09264709A; Patent No. 6320024
                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amina acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 HHOKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 HHOKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-766-596A-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 13
US-09-264-709A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-264-709A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 14
US-09-594-366-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 2
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
APPLICANT: BAUMANN, Marc
TITLE OF INVENTION: DEPTILES AND PHARMACEUTICAL
TITLE OF INVENTION: COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
TITLE OF INVENTION: ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE
TITLE OF INVENTION: DEPOSITS
WUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 50; DB 4; Length 15; Best Local Similarity 100.0%; Pred. No. 0.0031; Matches 9; Conservative 0; Mismatches 0; Indels
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
CLASSIPICATION: 435
FRICASIPICATION: 435
PRICA APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
PRICA PELICATION NUMBER: US 08/478,326
PRICA PAPLICATION NUMBER: US 08/478,326
PRICA PROCKET UNDER: 37,971
REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: 37,971
REGISTRATION NUMBER: 37,971
RELEPAN: 202-628-5197
TELECPAN: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
PILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 12
US-08-766-596A-65
; Sequence 65, Application US/08766596A
; Patent No. 6462171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 63: SEQUENCE CHARACTERISTICS: LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 HHOKLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-766-596A-63
```

셤 ò

```
OPERATING SYSTEM: DOS
SOPTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/302,808
FILING DATE: 15-SER-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Diskette COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 02019
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 17
US-08-302-808-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-346-849-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                  ö
                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Maggio, John E.
APPLICANT: Maggio, John E.
APPLICANT: Mantyh, Patrick W.
TITLE OF INVENTION: LABELLED BETA-AMYLOID PEPTIDE AND
TITLE OF INVENTION: METHODS FOR USE IN DETECTING ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSE: Mueting, Raasch, Gebhardt & Schwappach, P.A.
STREET: P.O. Box 581415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Application US/08346849
Sequence 4, Application US/08346849
Petent No. 5670483
GENERAL INFORMATION:
APPLICANT: Zhang, Shuguang
APPLICANT: Rich, Alexander
APPLICANT: Holmes, Todd
TITLE OF INVENTION: SELF-ASSEMBLY OF AMPHIPHILIC PEPTIDES AND USES
TITLE OF INVENTION: SELF-ASSEMBLY OF AMPHIPHILIC PEPTIDES AND USES
                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 50; DB 1; Length 26; 100.0%; Pred. No. 0.0055;
                             100.0%; Score 50; DB 4; Length 17; 100.0%; Pred. No. 0.0036;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CONTRY: USA

CONTRY: USA

ZIP: 55458-415

COMPUTER TRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EN PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/304,585
FILING DATE: 12-SEP-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mueting, Ann M.
REFERENCE/DOCKET NUMBER: 110.00010120
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                      Mismatches
                                                                                                                                                                                                                                               Sequence 7, Application US/08304585
Patent No. 5721106
                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SS: not relevant not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 9; Conservative
                                 Query Match
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide US-08-304-585-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 HHOKLVFFA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HHQKLVFFA 9
                                                                                                                                                        5 HHOKLVFFA 13
                                                                                                                1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 16
US-08-346-849-4
                                                                                                                                                                                                                                       US-08-304-585-7
US-09-594-366-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                      ò
                                                                                                                                                        g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/08302808

Sequent No. 5750349

Patent No. 5750349

GENERAL INFORMATION:
APPLICANT: SUZUKI, No. 5750349uhiro
APPLICANT: CORKA, Asano
APPLICANT: CINVEX, ANTIBODIES TO B-AMYLOIDS OR THEIR
TITLE OF INVENTION: ANTIBODIES TO B-AMYLOIDS OR THEIR
TITLE OF INVENTION: DERIVATIVES AND USE THEREOF
NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN
STREET: 130 WATER STREET

CONTY: BOSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 50; DB 1; Length 28; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERALING SISIEM: PC-LUOS, MS-LUOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,849
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: 07/973,326
FILING DATE: 28 DECEMBER 1992
ATPLING DATE: 28 DECEMBER 1992
ATPLING DATE: 28 DECEMBER 1992
RELING DATE: 128 DECEMBER 1992
ATPLING DATE: 128 DECEMBER 1992
FILING DATE: 128 DECEMBER 1992
ATPLING DATE: 128 DECEMBER 1992
FILING DATE: 128 DECEMBER 1992
ATPLING DATE: 128 DECEMBER 1992
FILING D
                                              NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ,
;
                                                                                                                                                                                    STREET: Two Militia Drive CITY: Lexington STATE: Massachusetts COUNTRY: U.S.A. ZIP: 02173-4799 COMPUTE: READABLE FORM: MEDIUM TYPE: Floppy disk.
THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100 Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 HHOKLVFFA 9
```

```
ö
                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 50; DB 2; Length 28; Best Local Similarity 100.0%; Pred. No. 0.006; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application US/08986948
Patent No. 5955317
GENERAL INFORMATION:
APPLICANT: SUZUKI, No. 5955317uhiro
APPLICANT: ODAKA, Asano
APPLICANT: KITADA, Chieko
TITLE OF INVENTION: ANTIBODIES TO B-AMYLOIDS OR THEIR
TITLE OF INVENTION: ANTIBODIES TO B-AMYLOIDS OR THEIR
TITLE OF INVENTION: ANTIBODIES TO B-AMYLOIDS OR CORRESPONDENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DIKE, BRONSTEIN, ROBERTS & CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER:
PILING DATE: 15-5EP-1994
APPLICATION NUMBER: PCT/JP94/00089
FILING DATE: 24-JAN-1994
APPLICATION NUMBER: 010132/1993
FILING DATE: 25-JAN-1993
APPLICATION NUMBER: 28-9893
FILING DATE: 16-NOV-1993
APPLICATION NUMBER: 286985/1993
FILING DATE: 16-NOV-1993
APPLICATION NUMBER: 286985/1993
FILING DATE: 28-DEC-1993
ATTORNEY/AGENT INRORMATION:
NAWE: DATTO DESAFTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: FRANCE VERSION 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/986,948
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 44
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 02019
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 130 WATER STREET
CITY: BOSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: DAVID, RESNICK S
REGISTRATION NUMBER: 34
                                                                                                  LENGTH: 28 amino acids
                         TELEFAX: 703-684-1124
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                   ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-609-090-2
                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                               13 HHOKLVEFA 21
                                                                                                                                                                                                                                                                                                                                                                  1 HHQKLVFFA 9
                                                                                                                      TYPE: amino acid STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
     TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-986-948-7
                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: HENSLEY, Kenneth
APPLICANT: BUTTERFIELD, D. A.
APPLICANT: CARNEY, John M.
APPLICANT: CARNEY, John M.
APPLICANT: AKSENOV, Michael
TITLE OF INVENTION: A PROCESS FOR ENHANCING THE ACTIVITY OF
TITLE OF INVENTION: AN OLIGOPEPTIDE OR POLYPEPTIDES
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: LOWE PRICE LEBLANC & BECKER
STREET: 99 Canal Center Plaza, Suite 300
CITY: Alexandria
STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
100.0%; Score 50; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,090
FILING DATE: 29-FEB-1996
  PCT/JP94/00089
               FILING DATE: 24-JAN-1994
APPLICATION NUMBER: 010132/1993
FILING DATE: 25-JAN-1993
APPLICATION NUMBER: 019035/1993
APPLICATION NUMBER: 266985/1993
APPLICATION NUMBER: 36773/1993
FILING DATE: 16-NOV-1993
APPLICATION NUMBER: 334773/1993
APPLICATION NUMBER: 34773/1993
ATTOMEY AGENT INFORMATION:
NAME: DAVID, RESNICK S
REGISTRATION NUMBER: 34,235
                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 44631
TELECOMMUNICATION INFORMATION:
TELEFAX: 200291 STRE
TELEFAX: 200291 STRE
INFORMATION FOR SEQ ID NO: 5 SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acid
STRANDEDNESS: single
TYPE: MOLGCULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/08609090 Patent No. 5840838 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 36,190
REFERENCE/DOCKET NUMBER: 434
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 530
TTORNEY/AGENT INFORMATION:
NAME: Kraus, Eric J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-terminal
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13 HHQKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRAGMENT TYPE: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-609-090-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-302-808-7
```

ઠે ద

```
STREET: 1420 Fi
CITY: Seattle
STATE: Washingt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: line
MOLECULE TYPE: |
DESCRIPTION:
DESCRIPTION: |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 22
US-09-388-890-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-461-216-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STABLE MACROSCOPIC MEMBRANES FORMED BY STABLE-ASSEMBLY OF AMPHIPHILIC PEPTIDES AND USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 50; DB 2; Length 28; 100.0%; Pred. No. 0.006; cive 0; Mismatches 0; Indels
                                                                                                                                                         Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Holmes, locus
APPLICANT: Holmes, locus
APPLICANT: Rich, Alexander
APPLICANT: Rich, Alexander
APPLICANT: Difersaio, C. Michael
APPLICANT: Difersaio, C. Michael
APPLICANT: Difersaio, Curtis
TITLE OF INVENTION: STABLE MACROSCOPIC MEMBRANES FORMED
TITLE OF INVENTION: STABLE MACROSCOPIC MEMBRANES FORMED
TITLE OF INVENTION: THEREFOR
NUMBER OF SEQUENCES: 64
CORRESPONDER ADDRESS:
ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
STREET: Two Militia Drive
CITY: Lexington
STREET: Wasachusetts
CONFITY: Locing and the Compartible
CONFITY: Masachusetts
COMPITER: IBM PC Compartible
COMPITER: IBM PC Compartible
COMPITER: IBM PC Compartible
OFFRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/973,326
FILING DATE: 22-AUG-1992
ATTONNEY APPLICATION NUMBER: US/973,326
FILING DATE: 22-BUEC-1992
ATTONNEY APPLICATION NUMBER: MIT-6008A
REGESTRATION NUMBER: MIT-6008A
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION NUMBER: MIT-6008A
TELEFAR: (617) 861-9540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
TENEMENT. A APRICATES
                                                                                                                                                                                                     0; Indels
                                                                                                                                                                Score 50; DB 2;
Pred. No. 0.006;
                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/08293284A
Patent No. 5955343
                                                                                                                                                              Query Match
Best Local Similarity 100.0%;
Matches 9; Conservative 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 28 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 9; Conservative
                                                                                 N-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Holmes, Todd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
                 MOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                          13 HHQKLVFFA 21
                                                                                                                                                                                                                                                 1 HHOKLVFFA 9
linear
                                                    ANTI-SENSE: NO FRAGMENT TYPE: N- ORIGINAL SOURCE: US-08-986-948-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-293-284A-4
TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                           RESULT 20
US-08-293-284A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                      ò
```

HHOKLVFFA 21

```
Sequence 2, Application US/0938890

Fatent No. 613648

Fatent No. 613648

GENERAL INFORMATION:

FAPPLICARY: ANDERSON, STEPHEN

TILLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE

TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: HOWREY & SIMON

STREET: 1299 PENNSYLVANIA AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 28;
US-08-461-216-2
US-08-461-216-2
Sequence 2, Application US/08461216
Patent No. 5558883
GENERAL INFORMATION:
APPLICANT: Snow, A.D.
TITLE OF INVENTION: ANIMAL MODELS OF HUMAN AMYLOIDOSES
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Johnson and Kindness
STREET: 1420 Fifth Avenue, Suite 2800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1-206-682-8100; 1-206-224-0709 (direct)
1-206-224-0779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        peptide
{SYMBOL 98 \f "Symbol"}/A4(1-28);
page 83, line 31
                                                                                                                                                                                                                                                                                                                                                COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette-5.25 inch, 1.2Mb storage
MEDIUM TYPE: Diskette-5.25 inch, 1.2Mb storage
COMPUTER: IBM PC/386 Compatible
OPERATING SYSTEM: MS-DOS 4.01
SOFTWARE: Word for Windows-t
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 50; DB 2;
hilarity 100.0%; Pred. No. 0.006;
Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UOFW-1-6707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 07/969,734
FILING DATE: 0Ctober 23, 1992
APPLICATION NUMBER: 07/950,417
FILING DATE: September 23, 1992
ATORNEY/AGENT INFORMATION:
NAME: BROGERICK, Thomas F.
REGISTRATION NUMBER: 31,332
REGISTRATION NUMBER: 13,332
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 4938023
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                              Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best_Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 98101-2347
```

Gaps ö

```
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 50; DB 3; Length 28; Best Local Similarity 100.0%; Pred. No. 0.006; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
INMEDIATE SOURCE:
CLONE: DIN B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORGANISM: SOUNCE:
ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
CLONE: E3Q B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: HOWREY & SIMON
1299 PENNSYLVANIA AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 4, Application US/09388890
; Patent No. 6136548
TELECOMMUNICATION INFORMATION
                                        TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPRAN: (202) 383-745
TELEPRA: (202) 383-6610
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 1299 PENT
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: D.C. COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                         US-09-388-890-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 24
US-09-388-890-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-388-890-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:

APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCES: ADDRESSEE: HOWERES:
ADDRESSEE: HOWERES & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STREET: L.C.
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
100.0%; Score 50; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: HOWO SAPIENS
IMMEDIATE SOURCE:
CLONE: B(1-28) peptide of amyloid B protein
                                                                                                                                           PELLING DATE:
CLASSIFICATION:
FILING DATE:
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: AUGRBACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEPAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
'ENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3, Application US/09388890 Patent No. 6136548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
NTORNEY/AGENT INFORMATION:
NAME: AUBERACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-388-890-2
```

ò d

```
Mismatches
TITLE OF INVENTION: METHODS FOR THE PREV
TITLE OF INVENTION: OF VASCULAR HEMORRHAN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWERY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: MASHINGTON
                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
PRICR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: AUBRBACH, JEFFREY I.
REGISTRATION UNMER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: peptide HYPOTHETICAL: YES FRAGMENT TYPE: N-terminal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity luv...
9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: UR
                                                                                                                                                                          20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-388-890-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                               ö
                                                                                                                                                                                                                                                                         GENERAL INFORMATION:

APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: HOWER'S SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ..
                                                               .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 50; DB 3; Length 28; larity 100.0%; Pred. No. 0.006; Conservative 0; Mismatches 0; Indels
                      Score 50; DB 3; Length 28;
Pred. No. 0.006;
                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IMMEDIATE SOURCE:
CLONE: R5Q B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DAID:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: AUGRBACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (202) 383-7451
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids

"VOR: amino acids
"VOR: APPLICATION SECULATION:
"TELEFAX: APPLICATION SECULATION:
INFORMATION FOR SEQ ID NO: 5:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application US/09389890
Patent No. 6136548
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
                                                                                                                                                                                                                                Sequence 5, Application US/09388890
Patent No. 6136548
                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: Illust
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORIGINAL SOURCE:
    Query Match
Best Local Similarity 100.
                                                                                                                           ||||||||||
13 HHQKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 HHOKLVFFA 9
                                                                                                    1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                        US-09-388-890-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-388-890-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9-068-886-60-SD
                                                                                                      ઠે
                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          d
```

```
Sequence 7, Application US/09388890

Patent No. 6136548
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
THE PREVENTION AND TREATMENT HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 50; DB 3; Length 28; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: HOMO SAPIENS
| IMMEDIATE SOURCE:
| CLONE: H6Q B(1-28) peptide of amyloid B protein
US-09-388-890-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                  COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
```

Gape

```
Sequence 12, Application US/0938890

Patent No. 613548

GENERAL INFORMATION:
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOMBRY & SIMON
STREET: 1299 PERNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
TITLE OF INVENTION OF VASCULAR HEMORRHAGING AND TREATMENT OF COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/09/388,890,
                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                  Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 50; DB 3; Length 28; Best Local Similarity 100.0%; Pred. No. 0.006; Matches 9; Conservative 0; Mismatches 0; Indels
                     MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOWO SAPIENS
IMMEDIATE SOURCE:
CLONE: E11Q B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
CLONE: E22Q B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                               100.0%; Score 50; DB 3;
100.0%; Pred. No. 0.006;
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICALE.
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: AUGREACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-6610
; INFORMATION FOR EGG ID NO: 12:
SEQUENCE CHARACTERISTICS:
TRUGTH: 28 amino acids
                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                          1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 HHOKLVFFA 9
       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-388-890-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-388-890-12
                                                                                                                                                                                     US-09-388-890-8
                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           h Similarity 100.0%; Score 50; DB 3; Length 28; Similarity 100.0%; Pred. No. 0.006; 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

CONFURER: Patentin Release #1.0, Version #1.25

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/388,890

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/686,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
CLONE: D7Q B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
US/09/388,890
                                          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
                                                                                                                                                 NAME: AUGRBACH, UBEFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-6610
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acids
TOPPLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: AUBRBACH, JEFFREY I.
REGISTRATION UNDHER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEPHONE: (202) 383-610
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8, Application US/09388890
Patent No. 6136548
                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRACHENT TYPE: N-terminal
ORIGINAL SOURCE:
                                                                                                           FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: AUERBACH, JEFFREY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : 28 amino acids
amino acid
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13 HHQKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 28
US-09-388-890-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-388-890-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          요
```

ö

Gaps

```
20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-388-890-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-264-709A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: P. SEQ ID NO 1 LENGTH: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                                                                                                                         GENERAL INFORMATION:

APPLICANT: ANDERSON.

TILLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT

TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE

TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCES: 100

STREET: 1299 PENNSYLVANIA AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-388-890-14

| Sequence | 14, Application US/09388890
| Patent No. 6136548
| GENERAL INFORMATION:
| APPLICANT: ANDERSON, STEPHEN
| TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
| TITLE OF INVENTION: OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 50; DB 3; Length 28; 100.0%; Pred. No. 0.006; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IMMEDIATE SOURCE:
CLONE: D23Q B(1-28) peptide of amyloid B protein
                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION.
FILING DATE:
ATTORNEY, AGENT INFORMATION:
NAME: AUGREACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUTICATION INFORMATION:
TELEPHONE: (202) 383-6610
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
TENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
                                                                                                  Sequence 13, Application US/09388890
Patent No. 6136548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-termina
ORIGINAL SOUNCE:
ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
Matches 9; Conserv
  13 HHQKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                          20004
                                                              RESULT 30
US-09-388-890-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-388-890-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
```

```
Sequence 1, Application US/09264709A

Sequence 1, Application US/09264709A

Barent No. 6320024

GENERAL INFORMATION:
APPLICANT: Roberts, Bugene
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and
TITLE OF INVENTION: Improve the Quality of Life
TITLE OF INVENTION: Improve the Quality of Life
CURRENT PILING DATE: 1999-03-09

RIOR APPLICATION NUMBER: US/09/264,709A

CURRENT FILING DATE: 1997-02-07

NUMBER OF SEQ ID NOS: 39

SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 50; DB 3; Length 28; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 50; DB 3; Length 28; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IMMEDIATE SOURCE:
CLONE: K28Q B(1-28) peptide of amyloid B protein
                                                               OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                    PILLING DATE:
CLASSIFTCATION:
CLASSIFTCATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/686,959
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: AUBRABACH, DEFREY I.
REGISTRATION NUMBER: 32,680
TELEFONNICATION INFORMATION:
TELEFONE: (202) 383-461
TELEFAX: (202) 383-610
; INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
'PMCTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-09-264-709A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13 HHQKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 9; Conserv
```

```
FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-660-954-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette - 3.50 inch, 1.44 Mb storage COMPUTER: IBM PC
OPPUTER: IBM PC
OPPUTER: IBM PC
OPERATING SYSTEM: PC-DOS (Windows 98)
SOFTWARE: WordPerfect 5.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/723,661B
FILING DATE: 31-Oct-1996
PRIOR APPLICATION NUMBER: 08/461,216
PRIOR APPLICATION NUMBER: 08/461,216
PRIOR DATE: 05-Unn-1995
APPLICATION NUMBER: 07/969,734
FILING DATE: 05-Unn-1995
APPLICATION NUMBER: 07/950,417
FILING DATE: 23-Sep-1992
ATTORNEY/AGENT INFORMATION:
NUMBER: DATE: D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                 APPLICANT: Allan D Snow
APPLICANT: Allan D Snow
TITLE OF INVENTION: Animal Models of Human Amyloidoses
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrick M. Dwyer
STREET: 1818 Westlake Avenue N, Suite 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 50; DB 3; Length 28; 100.0%; Pred. No. 0.006; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: LINEAR MOLECULE TYPE: PEPTIDE DESCRIPTION: /A4 (1-28); page 83, line 31 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Dwyer, Patrick M.
REGISTRATION NUMBER: 32,411
REFERENCE/DOCKET NUMBER: PROTEO.P00C1
                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: WA (Washington)
COUNTRY: United States of America
ZIP: 98109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 343-7074
TELEFAX: (206) 343-7085
                             Sequence 2, Application US/08723661B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCE CHARACTERISTICS:
LENGTH: 28 AMINO ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: AMINO ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HHQKLVFFA 9
                                                                           Patent No. 6340783
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
US-08-723-661B-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-723-661B-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 34
US-09-660-954-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
```

```
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
COMPUTER KEALABLE FORTH

WEDIUM TYPE: FORTH

COMPUTER: IBM PC compatible

COMPUTER: IBM PC Compatible

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/660,954

FILING DATE: 13-Sep-2000

CLASSIFICATION AUNBER: US/09/388,890

PRIOR APPLICATION NUMBER: US/09/388,890

FILING DATE: CUNKNOWN>

APPLICATION NUMBER: 08/686,959

FILING DATE: CUNKNOWN>

APPLICATION NUMBER: 08/686,959

TILING DATE: CUNKNOWN>

APPLICATION NUMBER: 32,680

TELECHMONICATION NUMBER: 32,680

TELECHMONICATION NUMBER: 32,680

TELECHMONICATION INFORMATION:

NAME: AUSTRALION INFORMATION:

TELECOMMONICATION INFORMATION:

TELECOMONICATION INFORMATION:

TELECOMONI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: FLORDY disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/660,954
FILING DATE: 13-Sep-2000
CLISSIFICATION: -Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLONE: B(1-28) peptide of amyloid B protein; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match

100.0%; Score 50; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 9; Conservative 0; Mismatches 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 anino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20004
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: D.C.
COUNTRY: US
```

```
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: WASHINGTON STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                      σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-660-954-5
                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
100.0%; Score 50; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                              CLONE: DIN B(1-28) peptide of amyloid B protein; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTEX: US
ZIP: 20004
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RC-DOS/MS-DOS
SOFTWARE: PATENTIN RC-DOS/MS-DOS
SOFTWARE: PATENTIN RC-DOS/MS-DOS
SOFTWARE: PATENTIN RC-DOS/MS-DOS
SOFTWARE: APPLICATION DATA:
RAPPLICATION NUMBER: US/09/660,954
FILING DATE: 13-Sep-2000
CLASSIFICATION NUMBER: US/09/388,890
FILING DATE: AURKNOWN:
APPLICATION NUMBER: US/09/388,890
FILING DATE: AURKNOWN:
APPLICATION NUMBER: US/09/388,890
FILING DATE: AURKNOWN:
APPLICATION NUMBER: 08/686,959
                ATTORNEY/AGENT INFORMATION:
NAME: AUERBACH, JUEFEREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEPHONE: (202) 383-6610
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: AUERBACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR
                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: HOMO SAPIENS IMMEDIATE SOURCE:
                                                                                                                                                                                                                                           TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              roPoloGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 HHOKLVEFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-660-954-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ·.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/660,954
FILING DATE: 13-56p-2000
CLASSIPECATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
APPLICATION NUMBER: 08/686,959
                                                                                                                                             Query Match
100.0%; Score 50; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 50; DB 4; Length 28;
llarity 100.0%; Pred. No. 0.006;
Conservative 0; Mismatches 0; Indels
CLONE: E3Q B(1-28) peptide of amyloid B protein; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
CLONE: RSQ B(1-28) peptide of amyloid B protein
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ASTRONAL STROMES & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALLOANSI, TAUGERACH, DEFPREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-660-954-5; Sequence 5; Application US/09660954; Patent No. 6471960; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: <Unknown> ATTORNEY/AGENT INFORMATION:
```

ઠે 셤

```
THE PREVENTION AND TREATMENT HEMORRHAGING AND ALZHEIMER'S DISEASE
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                      COMPUTER: IEM PC Compatible
COMPUTER: IEM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/660,954
FILING DATE: 13-692-2000
CLASSIFCATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
FILING DATE: cUnknown>
APPLICATION NUMBER: 08/686,959
FILING DATE: cUnknown>
APPLICATION NUMBER: OB/686,959
FILING DATE: CUNKNOWN>
ATORNEY/AGENT INFORMATION:
NAME: AUGRBACH, JEPPREY I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLONE: D7Q B(1-28) peptide of amyloid B protein SEQUENCE DESCRIPTION: SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indele
                  NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
A STRON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 50; DB 4; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESUL 1.0
US-09-660-954-8
Sequence 8, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR
TITLE OF INVENTION:
                                                                                                       CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
'-'-' 9; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-660-954-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                         Sequence 6, Application US/09660954

Patent No. 6471960
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 50; DB 4; Length 28, 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: HOMO SAPIENS
IMMEDIATE SOURCE:
CLONE: H6Q B(1-28) peptide of amyloid B protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARRE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/660,954
FILING DATE: 13-Sep-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
FILING DATE: «Unknown»
APPLICATION NUMBER: 08/686,959
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: AUERBACH, JEFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELECHONE: (202) 383-7451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: (202) 383-7451 (202) 383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N.terminal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                               13 HHOKLVEFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13 HHQKLVFFA 21
                       HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 39
US-09-660-954-7
                                                                                                                                                        US-09-660-954-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-660-954-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
```

ઠે 셤

```
TELEPHONE: (202) 383-745
                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
              TELEPHONE: (202) 383-745
TELEPAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N.terminal
ORIGINAL SOURCE:
                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                 IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-660-954-13
                                                                                                                                                                                                                                                                                                                                                                     US-09-660-954-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. 0.006;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: HOMO SAPIENS
INMEDIATE SOURCE:
CLONE: E11Q B(1-28) peptide of amyloid B protein
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/660,954
PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
            CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/660,954
FILING DATE: 13-690-2000
CLASSIFICATION: «Unknown»
PRIOR APPLICATION NUMBER: US/09/388,890
FILING DATE: «Unknown»
APPLICATION NUMBER: US/686,959
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: AUGRAPHON:
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION NUMBER: 34,680
TELEPRONE: (202) 383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/388,890
FILING DATE: «Unknown»
APPLICATION NUMBER: 08/686,959
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: AUBERACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12, Application US/09660954
Patent No. 6471960
GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: OF VASCULAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 13-Sep-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 8:

EBNOTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: D.C.
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-660-954-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-660-954-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

```
Sequence 13, Application US/09660954
; Patent No. 6471960
; GENERAL INFORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                              Gaps
                                                                                                                                                                              .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

MEDIUM TYPE: RIOPPY disk

MEDIUM TYPE: RIOPPY disk

MEDIUM TYPE: RIOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/660,954

FILING DATE: 13-Sep-2000

CLASSIFICATION NUMBER: US/09/388,890

FILING DATE: CUNKNOWN-

APPLICATION NUMBER: US/09/388,890

FILING DATE: CUNKNOWN-

ATTORNEY/AGENT INFORMATION:

NAME: AUTRERACH: JEFFEX I.

REGISTRATION NUMBER: 32,680

TELECOMMINICATION INFORMATION:

MANE: AUTRERACH: JEFFEX I.

REGISTRATION NUMBER: 32,680
CLONE: E22Q B(1-28) peptide of amyloid B protein SEQUENCE DESCRIPTION: SEQ LD NO: 12:
                                                                                                                                                                              Indels
                                                                                                                   Query Match 100.0%; Score 50; DB 4; Best Local Similarity 100.0%; Pred. No. 0.006; Matches 9; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
```

ó,

```
GENERAL INFORMATION:
APPLICANT: Zhang, Shuguang
APPLICANT: Lockshin, Curtis
APPLICANT: Rich, Alexander
APPLICANT: Rich, Alexander
APPLICANT: Rich, Stabate MACROSCOPIC MEMBRANES FORMED BY
TITLE OF INVENTION: STABATE MACROSCOPIC MEMBRANES FORMED BY
TITLE OF INVENTION: THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CUTTIS
STABLE MACROSCOPIC MEMBRANES FORMED BY
SELF-ASSEMBLY OF AMPHIPHILIC PEPTIDES AND USES
THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:

ZIP: 02173-4799

COMPUTER READABLE FORM:

MEDIUW TYEBE: FORM:

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN PRE-BESS #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/898,300

FILING DATE: 22 JULY 1997

CLASSIFICATION NUMBER: 08/346,849

FILING DATE: 30 NOVENBER 1994

PRIOR APPLICATION NUMBER: 08/346,849

FILING DATE: 28 DECEMBER 1994

PRIOR APPLICATION NUMBER: 07/973,326

FILING DATE: 28 DECEMBER 1995

ATTORNEY/AGENT INFORMATION:

NAME: BLOOK, DAVIG E.
                                                                                                                                                                                                                                                                                                                                                               HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 50; DB 4; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 4, Application US/08824513; Patent No. 6800481; GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: Zhang, Shuguang APPLICANT: Zhang, Shuguang APPLICANT: Information APPLICANT: Lockshin, Curtish APPLICANT: Lockshin, Curtish APPLICANT: Lockshin, STLF-ASSEMBLY TITLE OF INVENTION: STLF-ASSEMBLY TITLE OF INVENTION: THEREFOR
                                                                              ; Sequence 4, Application US/08898300
; Patent No. 6548630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Brook, David E. REGISTRATION NUMBER: 22,592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: MI
                                                                                                                                                                                                                                                                                                                                                                                          Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (781) 861-9540
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9; Conservative
                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: HAMILTON,
                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-898-300-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                  Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                       STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 45
US-08-824-513-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                           ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                Sequence 14, Application US/09660954
Patent No. 6471960
GENERAL INPORMATION:
APPLICANT: ANDERSON, STEPHEN
TITLE OF INVENTION: METHODS FOR THE PREVENTION AND TREATMENT
OF VASCULAR HEMORRHAGING AND ALZHEIMER'S DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PAtentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/660,954

FILING DATE: 13-Sep-2000

CLASSIFTCATION: «Unknown»

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/388,890

FILING DATE: «Unknown»

APPLICATION NUMBER: US/09/388,890

RILING DATE: «Unknown»

APPLICATION NUMBER: 08/686,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 50; DB 4; Length 28; Best Local Similarity 100.0%; Pred. No. 0.006; Matches 9; Conservative 0; Mismatches 0; Indels
                 ; CLONE: D23Q B(1-28) peptide of amyloid B protein; SEQUENCE DESCRIPTION: SEQ ID NO: 13: US-09-660-954-13
                                                                                                                          100.0%; Score 50; DB 4; Length 28; 100.0%; Pred. No. 0.006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLONE: K28Q B(1-28) peptide of amyloid B protein SEQUENCE DESCRIPTION: SEQ ID NO: 14:
                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: AUERBACH, JEFFREY I.
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 28 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
FRAGMENT TYPE: N.terminal
ORIGINAL SOURCE:
                                                                                                                                                Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                   |||||||||
13 HHQKLVFFA 21
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 HHOKLVFFA 21
                                                                                                                                                                                                                        1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                               US-09-660-954-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-660-954-14
                                                                                                                          Query Match
                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
```

Gaps

ö

0; Indels

```
Sequence 1, Application US/09861847A
Sequence 1, Application US/09861847A
Sequence 1, Application US/09861847A
Sequence 1, Application Sequence 1
APPLICANT: FRANGIONE, Blas
APPLICANT: SIGURDSSON, Elinar
TITLE OF INVENTION: SYNTHETIC IMMUNOGENIC BUT NON-AMYLOID DEPOSITS
TITLE OF INVENTION: HOMOLOGOUS TO AMYLOID BETA FOR INDUCTION OF AN IMMUNE
TITLE OF INVENTION: RESPONSE TO AMYLOID BETA AND AMYLOID DEPOSITS
CURRENT APPLICATION NUMBER: US/09/861,847A
CURRENT PILING DATE: 2001-05-22
FRIOR FILING DATE: 2000-05-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Application US/08609090
| Patent No. 5840838
| CENERAL INFORMATION:
| APPLICANT: HENGLEY, Kenneth | APPLICANT: BUTTERFIELD, D. A. | APPLICANT: CARNEY, John M. | APPLICANT: ARSENOY, Michael | TITLE OF INVENTION: A PROCESS FOR ENHANCING THE ACTIVITY OF | TITLE OF INVENTION: AN OLIGOPEPTIDE OR POLYPEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 50; DB 2; Length 30; Best Local Similarity 100.0%; Pred. No. 0.0064; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 50; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 9; Conservative 0; Mismatches 0; Indels
                                  CLASSIPLICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Kraus, Eric J.
REGISTRATION UNDERE: 36,190
REFERENCE/DOCKET UNDERE: 434-0
TELECOMMUNICATION INFORMATION:
TELEFRAM: 703-684-1111
TELEFRAX: 703-684-1111
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 15
SOFWARE: Patentin version 3.0
SEQ ID NO 1
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Synthetic US-09-861-847A-1
29-FEB-1996
                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: peptide US-08-609-090-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT ORGANISM: Artificial
                          CLASSIFICATION:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 47
US-09-861-847A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 48
US-08-609-090-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: HENSLEY, Kenneth
APPLICANT: BUTTERFIELD, D. A.
APPLICANT: CARNEY, John M.
APPLICANT: AKSENOY, Michael
TITLE OF INVENTION: A PROCESS FOR ENHANCING THE ACTIVITY OF
TITLE OF INVENTION: AN OLIGOPEPTIDE OR POLYPEPTIDES
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: LOWE PRICE LEBLANC & BECKER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 50; DB 4; Length 28; Pred. No. 0.006;
  NUMBER OF SEQUENCES: 04

CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Militia Drive
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02173-4799
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/824,513
FILING DATE: March 26, 1997
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/293,284
FILING DATE: AD DECEMBER 1992
FILING DATE: AD DECEMBER 1992
APPLICATION NUMBER: 07/973,326
FILING DATE: AD DECEMBER 1992
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/POCKET NUMBER: 22,592
REFERENCE/POCKET NUMBER: 22,594
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TUDES A mino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: LOWE PRICE LEBLANC & BECKER STREET: 99 Canal Center Plaza, Suite 300 CITY: Alexandria STATE: Virginia COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/609,090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3, Application US/08609090 Patent No. S840838 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

Best Local Similarity 100.0%;

Matches 9; Conservative 0
NUMBER OF SEQUENCES: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , MOLECULE TYPE: peptide US-08-824-513-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 46
US-08-609-090-3
```

g ò

Gaps

```
;
0
                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
100.0%; Score 50; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.0075;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                         Query Match
100.0%; Score 50; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.0075;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 36, Application US/08612785B
Patent No. 5854204
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
FILING DATE: Herewith
CLASSIFICATION: DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
RICH APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECONTI, GIULIO A.
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 21,503
REGISTRATION NUMBER: PPI-002CP3
                                                                                                                ; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-304-585-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
  612-305-1217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (617) 742-4214
                TELEFAX: 612-305-1228
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                              13 HHOKLVEFA 21
                                                                                                                                                                                                                                                                                                                                    1 HHOKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                           TYPE: amino acid STRANDEDNESS: no
TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-612-785B-36
                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application US/08304585
Patent No. 5721106
GENERAL INFORMATION:
APPLICANT: Maggio, John E.
APPLICANT: Mancyh, Patrick W.
TITLE OF INVENTION: LABELLED BETA-AMYLOID PEPTIDE AND
TITLE OF INVENTION: METHODS FOR USE IN DETECTING ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mueting, Raasch, Gebhardt & Schwappach, P.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 50; DB 2; Length 33; 100.0%; Pred. No. 0.007; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: P.O. Box 581415
CITY: Minneapolis
STATE: MN
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 55458-1415

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BM PC compatible
COMPUTER: BM PC compatible
COMPUTER: APENICATION DATA:
APPLICATION NUMBER: US/08/304,585
FILING DATE: 12-SEP-1994
                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,090
FILING DATE: 29-FEB-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Kraus, Eric J.
REGISTRATION NUMBER: 434-059
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-684-1111
TELEFRORE: 703-684-1124
INFORMATION FOR SEQ ID NO: 4:
SEQUIBNICE CHARACTERISTICS:
                     CORRESPONDENCE ADDRESS:
ADDRESSEE: LOWE PRICE LEBLANC & BECKER
STREET: 99 Canal Center Plaza, Suite 300
CITY: Alexandria
STATE: Virginia
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Mueting, Ann M.
REGISTRATION NUMBER: 33,977
REFERENCE/DOCKET NUMBER: 110.00010120
TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 33 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 9. Conservative
NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , MOLECULE TYPE: peptide US-08-609-090-4
                                                                                                                                                   ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13 HHOKLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HHQKLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-304-585-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ద
```

Gaps

. B &

Search completed: March 9, 2005, 06:43:05 Job time: 25.0411 secs

ď

Sequence Sequence

Sequence

Н

US-09-724-961-17 US-09-724-961-18 US-09-724-961-19 US-09-724-961-20 US-09-724-961-21 US-09-580-018-15 US-09-580-018-17 US-09-580-018-19 US-09-580-018-19 US-09-580-018-19 US-09-580-018-19 US-09-580-018-19 US-09-724-551-15 US-09-724-551-15 US-09-724-551-19 US-08-76-596A-68 US-08-612-785B-4 US-08-612-785B-4 US-08-65-596A-65 US-08-766-596A-65 US-Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. / Search time 10.6849 Seconds
(without alignments)
27.946 Million cell updates/sec Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:* version 5.1.6 - 2005 Compugen Ltd. Total number of hits satisfying chosen parameters: 513545 segs, 74649064 residues Minimum Match 0% Maximum Match 100% Listing first 65 summaries - protein search, using sw model 9, 2005, 06:11:36 BLOSUM62 Gapop 10.0 , Gapext 0.5 GenCore (c) 1993 seq length: 0 seq length: 200000000 US-10-009-122-23 26 1 HHQK 4 Copyright March Post-processing:

score:

Perfect

Sequence:

OM protein

Run on:

Scoring table:

Searched:

Minimum DB B Maximum DB B

Database

68,

sequence seq sequence

ALIGNMENTS

Description

Length

Score

Result No.

* Query Match

SUMMARIES

Appli Appli Appli Appli Appli

Sequence Sequence Sequence Sequence Sequence

RESULT 1 US-08-717-55, AT	Sequence 4. Application US/08717551A Patent No. 6071493 GENERAL INFORMATION:		NUMBER OF SEQUENCES: 2 CORRESPONDENCE ADDRESS: 2 ADDRESSER: WOOFFICE WASHIVEN KHITTY MACKIEWICZ	9	Philadelphia PA	COUNTRY: USA ZIP: 19103	COMPUTER READABLE FORM: MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE COMMITTED: TEM DISKETTE		SOFTWARE: WORDPERFECT for WINDOWS 6.0 CURRENT APPLICATION DATA:	APPLICATION NUMBER: US/08/717,551A	FILING DAIE: Sept-20-36 CLASSIFICATION: 435	PRIOR APPLICATION DATA: APPLICATION NUMBER:	FILING DATE: ATTORNEY/AGENT INFORMATION:
------------------------------	--	--	---	---	--------------------	----------------------------	--	--	--	------------------------------------	--	--	---

11, Appli 11, Appli 11, Appli 23, Appl 21, Appli 3, Appli 16, Appli 17, Appli 105, Appli 105, Appli 113, Appli 113, Appli 113, Appli 113, Appli 114, Appli 115, Appli 116, Appli 117, Appli 118, Appli 119, Appli

Sequence Seq

US-08-717-551A-1 US-09-095-106A-28 US-08-922-930-1 US-08-922-930-1 US-09-922-930-1 US-09-795-106A-21 US-09-095-106A-16 US-09-095-106A-16 US-09-095-106A-16 US-09-095-106A-18 US-09-095-106A-18 US-09-095-106A-13 US-09-095-106A-13 US-09-095-106A-14 US-09-095-106A-14

Appli Appli Appli Appli Appli

Sequence Sequence 1 Sequence

```
(215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 HHQK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                     19103
                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-922-930-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 4
US-08-923-055-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: NORDSTEDT, Christer
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
APPLICANT: TJERNBERG, Lars O.
APPLICANT: TERRUNUS, Lars
APPLICANT: TRANSPORTER BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                           .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08922930

Patent No. 6451544)

GENERAL INFORMATION:
APPLICANT:—Dana Giulian
TITLE OF INVENTION: Identification of Agents that Protect
TITLE OF INVENTION: Against Inflammatory Injury to Neurons
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 4;
                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                               100.0%; Score 26; DB 3; I
100.0%; Pred. No. 4.1e+05;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 26; DB 3; 1
Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz
ADDRESSEE: & No. 6451544iis LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 000500-124
CURRENT APPLICATION NUMBER: US/09/095,106A
CURRENT FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: US 60/009,386
PRIOR FILING DATE: 1995-12-29
PRIOR APPLICATION NUMBER: PCT/SE96/01621
                                       BYLR-0031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28, Application US/09095106A
Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: BY
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PATENTIN VEY. 2.0
SEQ IF NO 28
                                                                                              TELEPAX: (215) 568-3433
INFORMATION FOR SEQ ID NO:
SEQUENCE HARACHERISTICS
LENGTH: 4 amino acids
TYPE: amino gcid
Lori Y. Beardell
                                                                                                                                                                                                                                                                                                                         4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                 TOPOLOGY: Inhear
MOLECULE TYPE: peptide
US-08-717-551A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , TYPE: PRT
, ORGANISM: Amyloidosis
US-09-095-106A-28
                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local-Similarity
Matches 4; Congerv
                                                                                                                                                                                                                                                                                                                                                                 1 HHQK 4
                                                                                                                                                                                                                                                                                                                                                                                                         HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 2
US-09-095-106A-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-922-930-1
                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/08923055
; Patent No. 6475742
; Patent No. 6475742
; TTLE OF SEQUENCE 1
; TITLE OF INVENTION: Identification of Agents that Protect
; TITLE OF INVENTION: Identification of Agents that Protect
; TITLE OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS: 3
; ADDRESSEE: & No. 647574218 LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 26; DB 4; Length 4; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 19103

ZIP: 19103

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE COMPUTER: IBM PS/2

OPERATING SYSTEM: PC-DOS

SOFTWARE: NORDPEREET for WINDOWS 6.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/923,055
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MD STORAGE
                                          COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDERFECT for WINDOWS 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/922,930
FLLING DATE: Sept-03-97
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Lori Y. Beardell
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: BYLR-0038
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                 NAME: Lori Y. Beardell
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: BY
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   (215) 568-3100
                                                                                                                                                                                                                                                                   FILING DATE: ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (215) 568-3439
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: / 1
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4)amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
```

```
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-33
NUMBER OF SEQ ID NOS: 24
SOFTWARE,FREETSEQ FOR WINDOWS VERSION 4.0
SEQ ID NW 23
LENGTH: 4
   Sequence/23, Application US/09747408
Patent Mo. 6670399
GENERAL(INFORMATION;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sequence | 1, Application US/08922889 |
| Patent No. 6475745 |
| GENERAL | INFORMATION: |
| FAPLICANT: Dapd Giulian |
| TITLE OF INVENTION: | Identification of Agents that Protect |
| TITLE OF INVENTION: Against Inflammatory Injury to Neurons |
| NUMBER OF SEQUENCES: 2 |
| CORRESPONDENCE ADDRESS: |
| ADDRESSEE: & No. 6475745ris LLP |
| STREET: One Liberty Place - 46th Floor |
| STATE: Philadelphia |
| STATE: PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                     100.0%; Score 26; DB 4; Length 4; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 26; DB 4; Length 4;
100.0%; Pred. No. 4.1e+05;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: PA

COUNTRY: USA

ZIP: 19103

ZIP: 19103

ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPREFECT for MINDOWS 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/922,889
FILING DATE: Sept-03-97
CLASSIFICATION NUMBER: US/08/922,889
FILING DATE: Sept-03-97
CLASSIFICATION NUMBER: 34.293
REFERENCE/DOCKET NUMBER: 34,293
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: SEQUENCE CPARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / 4 amino acids
amino acid
                                                                                                                                           TYPE: ahino acid
TOPOLOGY: Tinear
MOLECULE TYPE: peptide
US-08-923-055-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
14; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
```

```
ö
                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WS-09-095-106A-21
Sequence 21, Application US/09095106A
j Patent No. 6331440
j GENERAL INFORMATION:
APPLICANT: NORISTEDT, Christer
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gape
                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                 100.0%; Score 26; DB 4; Length 4; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 26; DB 3; Length 5; 100.0%; Pred. No. 4.1e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-095-106A-22; Application US/09095106A; Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
APPLICANT: TJERNBERG, Lars O.
                                                                                                                                          Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
TYPE: (PRT / ORGANISM: Homo sapiens US-09-747-408-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-21
                                                                                                                                                                                                                                                                                                                                                                       1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 HHOK 4
```

RESULT 6 US-09-747-408-23

셤

```
RESULT 10
US-09-095-106A-16
                          Query Match
                                                                                                           ò
                                                                                                                                            ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                          ö
APPLICANT: TERENIUS, LAZS
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
FILE REFERENCE: 000500-124
CURRENT PELICATION NUMBER: US/09/095,106A
CURRENT FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: US 60/009,386
PRIOR PILING DATE: 1995-12-29
PRIOR PILING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PACENTIN Ver. 2.0
SEQ ID NO 22
LENGTH: 5
                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       peptide {SYmbol"}/A4(12-17); page 60, line 4-5; page 83, line 33 and 27-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Snow, A.D.
TITLE OF INVENTION: ANIMAL MODELS OF HUMAN AMYLOIDOSES
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Johnson and Kindness
STREET: 1420 Fifth Avenue, Suite 2800
                                                                                                                                                                                                                                                                                                                                                   Length 5;
                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/969,734
FILING DATE: October 23, 1992
APPLICATION NUMBER: 07/950,417
FILING DATE: September 23, 1992
ATTORNEY/ACBIT INFORMATION:
NAME: Broderick, Thomas F.
REGISTRATION NUMBER: 31,332
REFERENCE/DOCKET NUMBER: UOFW-1-6707
TELECHONE: 1-206-682-8100; 1-206-224-0709 (direct)
TELEPHONE: 1-206-224-0779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREE:
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101-2347
COMPUTER READBLE FORM:
MEDIUM TYPE: DISKette-5.25 inch, 1.2Mb storage
COMPUTER: IBM PC/386 Compatible
OPERATING SYSTEM: MS-DOS 4.01
SOFTWARE: Word for Windows-t
                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 26; DB 3; I
100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3, Application US/08461216
Patent No. 5958883
                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 4938023
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single
                                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Amyloidosis
US-09-095-106A-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 HHOK 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 9
US-08-461-216-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-461-216-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
```

```
ö
                                                                                                                                                                                                                                       Sequence 16, Application US/09095106A
; Sequence 16, Application US/09095106A
; Patent No. 6331440
; Patent No. 6331440
; APPLICANT: NORDSTEDT, Christer
; APPLICANT: NASLUND, Jan
; APPLICANT: TYPEBEG, Jars O.
; APPLICANT: TYPEBEG, Lars O.
; TILLE REFERENCE: 000500-124
; CURRENT APPLICATION NUMBER: US/09/095, 106A
; CURRENT PLING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: PCT/SE96/01621
; PRIOR APPLICATION NUMBER: PCT/SE96/01621
; PRIOR APPLICATION NUMBER: PCT/SE96/01621
; RIOR PILING DATE: 1996-12-09
; SEQ ID NOS: 44
; SOFTWARE: PatentIN Ver. 2.0
; SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17, Application US/09095106A
; Sequence 17, Application US/09095106A
; Patent No. 6331440
; GENERAL INFORMATION:
; APPLICANT: NOEDSTEDT, Christer
; APPLICANT: TERSUND: Jan
; APPLICANT: TERSUNDIS, Lars
; APPLICANT: TERSUNDIS, Lars
; APPLICANT: TERSUNDIS, Lars
; TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
; TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
; CURRENT APPLICATION NUMBER: US/09/095,106A
; CURRENT APPLICATION NUMBER: US 60/009,386
; PRIOR FILING DATE: 1998-06-10
; PRIOR FILING DATE: 1998-12-29
; PRIOR FILING DATE: 1998-12-09
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
                                                    Gaps
                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 26; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 26; DB 3; Length 6; Pred. No. 4.1e+05;
Length 6;
  100.0%; Score 26; DB 2; I 100.0%; Pred. No. 4.1e+05;
                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                    4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                    Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 HHOK 4
                                                                                                   1 HHOK 4
```

Gaps

ö

```
DESCRIPTION: /A4 (12-17); page 60, lines 4-5; page 83, SEQUENCE DESCRIPTION: SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 105, Application US/08397633A
| Patent No. 5773577
| Patent No. 577377
| Patent No. 57737
| Patent No. 577377
| Patent No. 577377
| Patent No. 5773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 26; DB 1; Length 7; 100.0%; Pred. No. 4.1e+05; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 26; DB 3; Length 6; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A-58848-1/BIR PROP-011-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/397,633A
                                                                                   PROTEO. POOC1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
NAME: Dwyer, Patrick M.
                                                 REGISTRATION NUMBER: 32,411
REFERENCE/DOCKET NUMBER: PRC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 343-7074
TELEFAX: (206) 343-7085
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20,015
                                                                                                                                                                                                                                                                                        TYPE: AMINO ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Rowland, Bertram I
REGISTRATION NUMBER: 20,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Floppy disk
                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: LINEAR MOLECULE TYPE: PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (415) 398-3249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 14
US-08-397-633A-105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; MOLECULE TYPE
US-08-397-633A-105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-723-661B-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                           ö
                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: TJERNBERG, Lars O.
APPLICANT: TERENIUS, Lars
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.50 inch, 1.44 Mb storage COMPUTER: IBM PC COMPUTER: IBM PC OPERATING SYSTEM: PC-DOS (Windows 98)
SOFTWARE: WordPerfect 5.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Alan D Snow
TITLE OF INVENTION: Animal Models of Human Amyloidoses
NUMBER OF SEQUENCES: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 6;
                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrick M. Dwyer
STREET: 1818 Westlake Avenue N, Suite 114
                           .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/723,661B
FILING DATE: 31-Oct-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT PELLOATION NUMBER: US/09/095,106A
CURRENT PILING DATE: 1998-06-10
PRIOR PAPLICATION NUMBER: US 60/009,386
PRIOR FILING DATE: 1995-12-29
PRIOR PILING DATE: 1996-12-09
PRIOR SELING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin Ver. 2.0
                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Seattle
STATE: WA (Washington)
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/461,216
FILING DATE: 05-Jun-1995
APPLICATION NUMBER: 07/969,734
APPLICATION NUMBER: 03-0ct-1992
APPLICATION NUMBER: 07/950,417
                                                                                                                                                                                                                                                                                        Sequence 18, Application US/09095106A
Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/08723661B. Patent No. 6340783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                        .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: NORDSTEDT, Christer
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
                        4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Amyloidosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                HHQK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1. HHOK 4
                                                                                                                                                                                                                                                      US-09-095-106A-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-095-106A-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-723-661B-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 18
                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 13
                                                                                ò
                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
```

ö

Gaps

```
JS-09-095-106A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-095-106A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 19
US-09-095-106A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                  APPLICANT: NORDSTEDT, Christer
APPLICANT: NORDSTEDT, Jan
APPLICANT: NASLUND, Jan
APPLICANT: THYRERGG, JOAN
APPLICANT: THYRERGG, JOAN
APPLICANT: TERRIBEG, Lars O.
APPLICANT: TOWENION: REPLICE
TILE OF INVENTION: PREPLICATION NUMBER: US/09/095,106A
CURRENT FILING DATE: 1998-06-10
PRIOR FILING DATE: 1998-06-10
PRIOR FILING DATE: 1995-12-29
PRIOR FILING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 12
LENGTH: 7
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JERNERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
APPLICANT: NASLUND:
APPLICANT: NASLUND: Jan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: TERRNIUS, Lars
APPLICANT: TERRIUG, Lars
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
CURRENT APPLICATION NUMBER: US/09/095,106A
CURRENT APPLICATION NUMBER: US 60/009,386
PRIOR FILING DATE: 1995-12-29
PRIOR PILING DATE: 1995-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PATENTIN VEY: 2.0
SEQ ID NO 13
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 26; DB 3; I
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 26; DB 3; 100.0%; Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-095-106A-13
; Sequence 13, Application US/09095106A
; Patent No. 6331440
                                                                                                        Sequence 12, Application US/09095106A Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Amyloidosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HHOK 5
                                                                                     US-09-095-106A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-095-106A-13
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
```

```
Sequence 14, Application US/09095106A

Sequence 14, Application US/09095106A

Setent No. 6331440

GENERAL INFORMATION:
APPLICANT: NORDSTEDT.
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: TERENIUS, Lars O.
APPLICANT: 1986-12-9
FRIOR PILING DATE: 1998-06-10
FRIOR PLING DATE: 1998-12-29
FRIOR PLING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 14
FRIOR PLING DATE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: TERRIBERG, Lars O.
APPLICANT: TOWNING THE KLVFF-SEQUENCE OP AMYLOID-BETA
TITLE OF INFORMATION DEPLICATION NUMBER: US/09/095,106A
CURRENT FILING DATE: 1998-10-10
PRIOR FILING DATE: 1998-12-09
PRIOR PLILING DATE: 1998-12-09
NUMBER OF SEQ ID NOS: 44
SSOTIMARE: PATENTIN VET: 2.0
SSOTIMARE: PATENTIN VET: 2.0
SSOTIMARE: PATENTIN VET: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 26; DB 3; Length 8; 100.0%; Pred. No. 4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Pred. No. 4.1e+05; 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 26; DB 3; 100.0%; Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 8, Application US/09095106A Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Amyloidosis
US-09-095-106A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Amyloidosis
US-09-095-106A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHQK 4
```

```
TITLE OF INVENTION: Method for Design of Substances that Enhance Memory and TITLE OF INVENTION: Improve the Quality of Life
TITLE OF INVENTION: Improve the Quality of Life
TITLE REFERENCE: 2124-310
CURRENT APPLICATION NUMBER: US/09/264,709A
PRIOR APPLICATION NUMBER: 08/797,782
PRIOR FILING DATE: 1999-03-07
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: THERNERG, Lars O.
APPLICANT: THERNERG, Lars O.
APPLICANT: THE CONTROL OF THE KLVF-SEQUENCE OF AMYLOID-BETA
TILE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
FILE OF INVENTION: 1098-6-10
PRIOR APPLICATION NUMBER: US 60/009, 386
PRIOR APPLICATION NUMBER: US 60/009, 386
PRIOR APPLICATION NUMBER: US 60/009, 286
PRIOR APPLICATION NUMBER: POT/SE96/01621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: NORDSTEDT, Christer
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: TJERNBERG, Lars
APPLICANT: TJERNBERG, Lars
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
FILE REFERENCE: 000500-124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 26; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     red. No. 4.1e+05;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 26; DB 3; 100.0%; Pred. No. 4.1e+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/095,106A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-095-106A-6
; Sequence 6, Application US/09095106A
; Patent No. 6331440
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7, Application US/09095106A Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: NORDSTEDT, Christer
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
CORGANISM: Homo sapiens
US-09-264-709A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HHOK 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HHOK 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-095-106A-7
                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                        APPLICANT: NASIDET, Christer
APPLICANT: NASIDED, Jan
APPLICANT: NASIDED, Jan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: TERRNBERG, Lars O.
APPLICANT: TERRNBERG, Lars O.
APPLICANT: TERRNBERG, Lars O.
APPLICANT: TERRNERG, Lars O.
APPLICANT: TERRNERG, Lars O.
APPLICANT: TERRNERG, Lars O.
APPLICANT: OF SEQUENCE OF AMYLOID-BETA
ITILE OF INVENTION PEPTICALIA
CURRENT APPLICATION NUMBER: US 60/009,386
PRIOR FILING DATE: 1995-12-29
PRIOR APPLICATION NUMBER: PCT/SE96/01621
PRIOR PILING DATE: 1996-112-09
NUMBER OF SEQ ID NOS: 44
SOPTHARE: PATENTIN VET. 2.0
SEQ ID NO 9
LENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: NABSLUND.
APPLICANT: NABSLUND.
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: TERENIUS, Lars O.
APPLICANT: NUMBER: US/09/095,106A
CURRENT APPLICATION NUMBER: US 60/009,386
PRIOR APPLICATION NUMBER: PG 60/009,386
PRIOR APPLICATION NUMBER: PG 60/009,386
PRIOR FILING DATE: 1996-12-29
PRIOR FILING DATE: 1996-12-09
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PATENTIN VOR: 2.0
SEQ ID NOS: 44
SEQ ID NOS: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 26; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 20
8-09-095-106A-10
'Sequence 10, Application US/09095106A
'Patent No. 6331440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/09264709A Patent No. 6320024 GENERAL INFORMATION:
                                                                                                             Sequence 9, Application US/09095106A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGIN: o
TYPE: PRT
ORGANISM: Amyloidosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT; ORGANISM: Amyloidosis
US-09-095-106A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 HHOK 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 HHOK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-095-106A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-264-709A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 21
```

ò ద

원 ઠે

```
Sequence 15, Application US/09724961 Patent No. 6743427
                                                                                                                                                      ·,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
---- 4; Conservative
                                                                                                                Query Match
Best Local Similarity 100.
Matches 4; Conservative
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
ORGANISM: Amyloidosis
US-09-095-106A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7 HHOK 10
                                                                                                                                                                                            1 HHOK 4
                                                                                                                                                                                                                       3 HHQK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HHQK 4
                                                                                                                                                                                                                                                                                                          US-09-724-961-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-724-961-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-724-961-15
                                                                                                                                                                                                                                                                                         RESULT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 27
                                                                                                                                                                                              à
                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                         ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: NORDSTEDT;
APPLICANT: NASLUND, Jan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THYBERG, Lars O.
APPLICANT: THERNIUS, Lars
TITLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
FILE REPERENCE: 000500-124
CURRENT APPLICATION NUMBER: US 60/009,386
PRIOR APPLICATION NUMBER: US 60/009,386
PRIOR FILING DATE: 1995-12-29
PRIOR FILING DATE: 1995-12-29
PRIOR FILING DATE: 1996-12-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                         ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                     Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Green, Allan M.
APPLICANT: Green, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
PRIOR APPLICATION NUMBER: 6/171,877
PRIOR PILING DATE: 1999-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 26; DB 4; L
100.0%; Pred. No. 4.1e+05; Wismatches 0;
                                                                                                                                                                                                                                                 100.0%; Score 26; DB 3; I
100.0%; Pred. No. 4.1e+05;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 20
LENGTH: 9
                 PRIOR APPLICATION NUMBER: US 60/009,386 PRIOR FLING DATE: 1995-12-29 PRIOR APPLICATION NUMBER: PCT/SE96/01621 PRIOR FILING DATE: 1996-12-09 NUMBER OF SEQ ID NOS: 44 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20, Application US/09747408 Patent No. 6670399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/09095106A Patent No. 6331440
 1998-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-20
                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Amyloidosis
US-09-095-106A-7
 CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                              1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                  3. HHQK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 24
US-09-747-408-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-095-106A-2
                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENCHAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dicki

APPLICANT: Varquez, Nicki

APPLICANT: Yednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease

FILE REFERENCE: 15270J-004750UC

CURRENT APPLICATION NUMBER: US 09/580,015

PRIOR APPLICATION NUMBER: US 09/580,015

PRIOR FILING DATE: 1990-05-28

PRIOR FILING DATE: 1990-05-28

PRIOR PLING DATE: 1998-11-30

PRIOR PLING DATE: 1998-10-07

PRIOR PLING DATE: 1999-05-10

PRIOR PLING DATE: 1999
                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 16, Application US/09724961
; Patent No. 6743427
; GENERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Vasquez, Nicki
; APPLICANT: Yedock, Ted
; TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
; FILE REFERENCE: 152703-004750UC
; CURRENT APPLICATION NUMBER: US/09/724,961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
core 26; DB 3; Length 10;
red. No. 25;
Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 26; DB
100.0%; Pred. No. 25;
tive 0; Mismatches
     100.0%; Score 26; 100.0%; Pred. No. 2
```

Gaps

ö

```
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US 09/580,015
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR PLING DATE: 1998-05-28
PRIOR PLING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
PRIOR PLING DATE: 1998-11-30
PRIOR PLING DATE: 1998-04-07
PRIOR APPLICATION NUMBER: US 60/060,970
PRIOR PLING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR PRIOR DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25;
                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT PELICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
PRIOR PELICATION NUMBER: US 09/580,015
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-30
PRIOR FILING DATE: 1999-05-30
PRIOR PLICATION NUMBER: WO PCT/USO0/14810
                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-724-961-19
Sequence 19, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                            4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                            HHOX
                                                                                                                                                                                                                                                                                                                                                    US-09-724-961-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORM
US-09-724-961-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                    ઠ
                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 Application US/09724961

Patent No. 6743427

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vagquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152704-004750UC
CURRENT FILING DATE: 2000-11-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-961-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; 0; Indels tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 26; DB 4;
Pred. No. 25;
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-28
PRIOR PELLING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-07
PRIOR PILING DATE: 1998-11-07
PRIOR PILING DATE: 1998-11-07
PRIOR PILING DATE: 1998-11-07
PRIOR PILING DATE: 1998-04-07
PRIOR PILING DATE: 1997-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/580,015
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PILING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-724-961-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-724-961-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
```

ઠ 셤 ö

Gaps

```
GENERAL INFORMATION:

APPLICANT: Schenk, Daie B.
APPLICANT: Schenk, Drederique
APPLICANT: Schenk, Trederique
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-01-26
PRIOR PLING DATE: 1099-05-26
PRIOR PELING DATE: 1999-05-28
PRIOR PLING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR PLING DATE: 1998-11-30
PRIOR PLING DATE: 1998-11-30
PRIOR PLING DATE: 1998-11-30
PRIOR PLING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR PLING DATE: 1998-04-07
PRIOR FLING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 21
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15. Application US/09580018

Sequence 15. Application US/09580018

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-00476602
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
FRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 15
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 26; DB 100.0%; Pred. No. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                     Sequence 21, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-580-018-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                      FEATURE:
CTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
CTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
CHER INFORMATION: peptide)
US-09-724-961-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20, Application US/09724961
Patent No. 6743427
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Wasquez, Nicki
APPLICANT: Vasquez, Nicki
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004750UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-724-961-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               h Similarity 100.0%; Score 26; DB 4; Length 10; Similarity 100.0%; Pred. No. 25; 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/724,961
CURRENT FILING DATE: 2000-11-28
PRIOR PELICATION NUMBER: US/09/724,961
PRIOR FILING DATE: 2000-01-28
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR APPLICATION NUMBER: WS 09/201,430
PRIOR PILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR PILING DATE: 1998-11-30
PRIOR PLING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: WS 60/080,970
PRIOR PILING DATE: 1998-04-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
PRIOR FILING DATE: 1998-11-30
PRIOR APPLICATION NUMBER: US 60/080,970
PRIOR FILING DATE: 1998-04-07
PRIOR PELING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PATENTIN Ver. 2.1
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
0
                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HHQK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HHOK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HHOK 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 31
US-09-724-961-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
```

ઠ 셤 ö

Gaps

.. 0

0; Indels

4; Length 10; Score 26; DB Pred. No. 25; 100.0%; Query Match Best Local Similarity

RESULT 32

ò

ઠે ద

```
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
                                                                                                                   ; Sequence 18, Application US/09580018; Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 4; Conserv
—
|
|
|
|
|
                                                                             RESULT 36
US-09-580-018-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-580-018-18
                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 19
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REFERENCE: 12700-004760US
CURRENT APPLICATION NUMBER: US 09/322,289
PRIOR PLING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 16
  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17, Application US/09580018

Patent No. 6761886
GENERAL INFORMATION:
BAPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Ted
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT PAPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-09-580-018-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
  ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 26; DB 4; Length 10;
Pred. No. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
  Indels
  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 26; DB
100.0%; Pred. No. 25;
tive 0; Mismatches
0; Mismatches
                                                                                                                                      RESULT 34
US-09-580-018-16
Sequence 16, Application US/09580018
Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 17
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 4; Conservative
4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 4; Conserv
                                                                             7 HHQK 10
                                   1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HHOK 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-580-018-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
Matches
```

g ઠે

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
GENERAL INFORMATION:

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Schenk, Dale B.

APPLICANT: Yednock, Ted

TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 152704-004760US

CURRENT APPLICATION NUMBER: US/09/580,018

CURRENT FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/322,289

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-580-018-19
Sequence 19, Application US/09580018
Sequence 19, Application US/09580018
Sequence 19, Application US/09580018
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease; FILE REFERENCE: 15270J-004760US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide of OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 26; DB 4; Length 10;
100.0%; Pred. No. 25;
ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; 0; Indels trive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HIOK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
```

ö

ö

1 HHQK 4

```
US-09-724-551-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21, Application US/09580018
Sequence 21, Application US/09580018
Sequence 21, Application US/09580018
Sequence 21, Application US/09580018
Sequence 21, Sequence 21, Application Sequence 21, APPLICANT Schenk, Dale B.
APPLICANT Schenk, Dale B.
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION Prevention and Treatment of Amyloidogenic Disease
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT PILING DATE: 15700-06-26
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SEQ ID NOS: 77
SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                           GENERAL INCORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vednock, Prederique
APPLICANT: Yednock, Prevention and Treatment of Amyloidogenic Disease;
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
FILE REFERENCE: 15270J-004766US
CURRENT APPLICATION NUMBER: US/09/580,018
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SEQ ID NO 2:0
SEQ ID NO 2:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; 0; Indels ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; cive 0; Mismatches 0; Indels
                 Sequence 20, Application US/09580018
Patent No. 6761888
                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HHQK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 HHOK 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 HHQK 4
US-09-580-018-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-580-018-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
```

```
;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Trederique
APPLICANT: Vednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease;
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT APPLICATION NUMBER: US/09/580,018
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 16
                                                                       APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TILE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
FILE REFERENCE: 15270J-004760US
FILE REFERENCE: 15270J-004760US
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US/09/580, 018
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 15
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 26; DB Best Local Similarity 100.0%; Pred. No. 25; Matches 4; Conservative 0; Mismatches
Sequence 15, Application US/09724551
Patent No. 6787637
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 16, Application US/09724551; Patent No. 6787637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 HHOK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 HHQK 4
```

RESULT 42

RESULT 40 US-09-724-551-15

```
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HHQK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 45
US-09-724-551-20
        US-09-724-551-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-724-551-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-724-551-20
                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18, Application US/09724551

Sequence 18, Application US/09724551

Setent No. 6787637

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TILE OF INVENTION: Prevention
TILLE OF ILLING DATE: 157703-004760US
CURRENT PILLING DATE: 2000-11-28
FRIOR APPLICATION NUMBER: US/09/580,018
FRIOR APPLICATION NUMBER: US/09/580,018
FRIOR APPLICATION NUMBER: US/09/580,018
FRIOR PILLING DATE: 2000-05-26
FRIOR PILLING DATE: 1999-05-28
FRIOR FILLING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: PATENTIN VET. 2.1
                                                       APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
APPLICANT: Yednock, Ted
TILE BEPERENCE: 15270J-004760US
FILE REPERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT APPLICATION NUMBER: US/09/580,018
PRIOR PILING DATE: 2000-10-28
PRIOR PILING DATE: 1099-05-28
PRIOR PILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 17
LENGTH: 10
TYPE: PRT
TYPE: PRT
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE: OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; 0; Indels cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
Sequence 17, Application US/09724551
Patent No. 6787637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 4; Conserv
                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HHOK 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HHOK 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 43
US-09-724-551-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-724-551-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-724-551-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 18
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

```
ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
Sequence 19, Application US/09724551
| Patent No. 6787637
| GENERAL INFORMATION:
| APPLICANT: Schenk, Dale B. |
| APPLICANT: Bard, Frederique |
| APPLICANT: Bard, Frederique |
| APPLICANT: Yednock, Ted |
| TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease |
| TITLE REPERENCE: 15270J-004760US |
| TITLE REPERENCE: 15270J-004760US |
| CURRENT APPLICATION NUMBER: US/09/580,018 |
| PRIOR APPLICATION NUMBER: US/09/580,018 |
| PRIOR PLILING DATE: 1999-05-26 |
| PRIOR FILING DATE: 1999-05-28 |
| NUMBER OF SEQ ID NOS: 77 |
| SOFTWARE: PatentIn Ver: 2.1 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20, Application US/09724551

Sequence 20, Application US/09724551

Sequence 20, Application US/09724551

Sequence 20, Application OS 137637

Septembly Inversariation of Sequence 1 APPLICANT: Sederique 2 APPLICANT: Sederique 3 APPLICANT: Vednock, Ted 3 TITLE OF INVENTION Prevention and Treatment of Amyloidogenic Disease 3 TITLE OF INVENTION PREVENTION PRESENCE: 152703-004760US 3 CURRENT FILING DATE: 2000-11-28 3 PRIOR PEPLICATION NUMBER: US/09/580,018 3 PRIOR PEPLICATION NUMBER: US/09/580,018 3 PRIOR PELLING DATE: 1999-05-28 4 PRIOR FILING DATE: 1999-05-28 5 NUMBER OF SEQ ID NOS: 77 5 SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25; 0; Indels ive 0; Indels
```

```
ö
                                                                                                                                                                                                                                                                                                                                 100.0%; Score 26; DB 4; Length 11; 100.0%; Pred. No. 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Apprepation
TITLE OF INVENTION: Aggregation
NUMBER OF SEQUENCES: 40
CORRESPONDENCES:
ADDRESSE: LAHIVE & COCKFIELD
STREET: 28 State Street, Suite 510
CITY: Boston
CITY: Basisachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 02109-1875

ZIP: 02109-1875

MEDIUM TYPEN READABLE FORM:
MEDIUM TYPEN FLOOPY disk
COMPUTER: Floopy disk
COMPUTER: Floopy disk
COMPUTER: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785B
                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/08612785B Patent No. 5854204
                                                      REFERENCE/DOCKET NUMBER: SOTO TELECOMMUTICATION INFORMATION: TELEPHON: 202-737-3528 INFORMATION FOR SEQ ID NO: 68: SEQUENCE CHARACTERISTICS: LENGTH: 11 amino acids
                   NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                           4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Massachusetts
: USA
                                                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-612-785B-4
                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                      1 HHQK 4
                                                                                                                                                                                                                                                                                        US-08-766-596A-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                      δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PEPTIDES AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIKE DEPOSITS
69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                             GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Pardnock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152704-004760US
CURRENT APPLICATION NUMBER: US/09/724,551
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US/09/580,018
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR PILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 26; DB 4; Length 10; 100.0%; Pred. No. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APPL-1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/478,326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UMBER: US 08/478,326
06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-766-596A-68
; Sequence 68, Application US/08766596A
; Patent No. 6462171
                                                        Sequence 21, Application US/09724551
Patent No. 6787637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: SOTO-JARA, Claudio
APPLICANT: BAUMANN, Marc
APPLICANT: FRANCIONE, Blas
TITLE OF INVENTION: COMPOSITIONS
TITLE OF INVENTION: DEPOSITS
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 4; Conservative
                 RESULT 46
US-09-724-551-21
                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

셤

```
Search completed: March
Job time: 10.6849 secs
                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 4; Conserv
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                   HHQK 11
                                                                                                                                                                                                                                                                                                                                     1 HHOK 4
                                                                                                                                                                                                                                                                                            US-08-617-267C-4
                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                    ö
                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                    Query Match 100.0%; Score 26; DB 2; Length 15; Best Local Similarity 100.0%; Pred. No. 37; Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 26; DB 2; Length 15; 100.0%; Pred. No. 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                       100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
                                              8 HHOK 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 HHOK 6
                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-612-785B-37
                                              ద
                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
```

RESULT 50 US-08-617-267C-4 ; Sequence 4, Application US/08617267C ; Patent No. 6319498

```
TITUE OF INVESTIVENT: Findeis, Mark A, et al.

TITUE OF INVESTIVEN: Modulators of Amyloid Aggregation
NUMBERS OF SEQUENCES, 45
CORRESPONDENCE, 14HIVE & COCKTIELD, LLP
STREET & State Street
CORRESPONDENCE, 14HIVE & COCKTIELD, LLP
STREET & SEATH STREET
COMPUTER: Basachusetts
COMPUTER: READALE FORM:
MEDIUM TYPE: Florgy disk
COMPUTER: L4-MAR-1995
SOFTWARE: PALLCATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: L4-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/415,579
FILING DATE: L1-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/415,579
FILING DATE: L2-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/415,579
FILING DATE: L2-MAR-1995
PRIOR APPLICATION NUMBER: PP--002CP2
FILING DATE: L2-MAR-1995
PRIOR APPLICATION NUMBER: PP--002CP2
FILING DATE: L2-MAR-1995
FILING DATE: L2-MAR-
```

THIS PAGE BLANK (USPTO)

OM protein

Run on

Title: Perfect score: Sequence:

Scoring table:



(S)	

Н

	26	27	93.1	10	7 US	US-11-058-757-22	Sequence 22
GenCore version 5.1.6	27	27	93.1	10	7 US	US-11-058-757-23	
Copyright (c) 1993 - 2005 Compugen Ltd.	28	27	93.1	10	7 US	US-11-058-757-24	Sequence 24
	29	27	93.1	19	5 08	US-09-979-701-75	Seguence 75
	30	27	93.1	13	7 US	US-11-058-757-75	
in - protein search, using sw model	31	27	93.1	20	5 US	US-09-908-943B-25	
	32	27	93.1	28	9	US-10-250-581A-20	
March 9, 2005, 06:14:45 ; Search time 8.30137 Seconds	33	27	93.1	42	1 20	PCT-US04-44093-21	
(without alignments)	34	27	93.1	42	1 PC	PCT-US04-44093-42	
34.070 Million cell updates/sec	35	27	93.1	42	5 0.5	US-09-979-701-42	Sequence 42
	36	27	93.1	42	9 0.5	US-10-903-279-1	Sequence 1,
US-10-009-122-1	37	27	93.1	42	7 05	US-11-021-951-190	Seguence 19
score: 29	38	27	93.1	42	7 US	US-11-058-757-42	Seguence 42
1 KIVFFA 6	39	27	93.1	42	8 US	US-60-647-493-7	Sequence 7,
	40	27	93.1	43	9	US-10-250-581A-1	Sequence 1,
able: BLÖSUM62	41	27	93.1	93	9	3-10-450-763-49442	Sequence 49
Gapop 10.0 , Gapext 0.5	42	27	93.1	123	7 05	US-11-031-175-13513	Sequence 13
	43	27	93.1	695	8 05	US-60-647-493-3	Sequence 3,
189387 segs, 47137929 residues	44	27	93.1	695	8 US	US-60-651-509-336	Sequence 33
	45	27	93.1	695	8 05	US-60-651-509-340	Seguence 34
wher of hits satisfying chosen parameters: 189387	46	27	93.1	751	8 US	US-60-651-509-332	Seguence 33
	47	27	93.1	751	8 05	US-60-651-509-339	Sequence 33
)B seq length: 0	48	27	93.1	170	9	US-10-287-436A-471	Seguence 47
)B seq length: 2000000000	49	27	93.1	770	9	US-10-287-436A-1168	Sequence 11
	0.00	27	93.1	770	9	US-10-903-279-2	Seguence 2,
essing: Minimum Match 0%	51	27	93.1	770	8 03	US-60-651-509-333	Seguence 33
Maximum Match 100%	52	27	93.1	770	8 05	US-60-651-509-334	Sequence 33
Listing first 65 summaries	53	27	93.1	770	8	US-60-651-509-341	Sequence 34
	54	27	93.1	772	9	JS-10-450-763-49445	
: Pending Patents AA New:*	52	27	93.1	777	9	JS-10-450-763-49448	Sequence 49
1: /cgn2 6/ptodata71/paa/PCT NEW COMB.pep:*	95	26	89.7	352	8 05	JS-60-643-717-17472	Sequence 17
2: /cgn2_6/ptodata/1/paa/US06 NEW COMB.pep:*	57	26	89.7	356	8 06	US-60-643-717-3819	Sequence 38
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*	28	56	89.7	360	8 US	JS-60-643-717-2133	Sequence 21
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*	53	56	89.7	366	8	US-60-643-717-5408	Sequence 54
5: /cqn2_6/ptodata/1/paa/US09_NEW_COMB.pep:*	09	56	89.7	368	8 05	US-60-643-717-15881	Sequence 15
6: /cqn2_6/ptodata/1/paa/US10_NEW_COMB.pep:*	61	25	86.2	9	9 05	US-10-705-028-4	Sequence 4,
7: /cqn2_6/ptodata/1/paa/US11_NEW_COMB.pep:*	62	25	86.2	9	9	US-10-705-028-12	Sequence 12
8: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep:*	63	25	86.2	126	7 US	US-11-031-175-12962	Sequence 12
	64	25	86.2	569	9.	US-10-467-657-330	Sequence 33
ed. No. is the number of results predicted by chance to have a	59	25	86.2	466	7 US	US-11-027-399-3345	Sequence 33

Post-processing:

Database

Potal number Minimum DB Maximum DB

Searched:

22, Appl 24, Appl 75, Appl 25, Appl 26, Appl 27, Appl 42, Appl 42, Appl 42, Appl 11, Appl 11, Appl 11, Appl 13, Appl 11, Appl 13, Appl 13, Appl 11, Appl 11, Appl 13, Appl 11, Appl 11, Appl 12, Appl 11, Appl 12, Appl 13, Appl 14, Appl 13, Appl 14, Appl 16, Appl 16,

ALIGNMENTS

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Description

В

% Query Match Length D

Score

Result No.

3819, Ap 2133, Ap 5408, Ap

15881, A 4, Appli 12, Appl 12, Appl 12962, A

RESULT 1

US-10-705-028-1

US-10-705-028-1

Sequence 1, Application US/10705028

GENERAL INFORMATION:

APPLICANT: Geren, Allan M.

APPLICANT: Geren, Allan M.

TITLE OF INVENTION: Compounds And Methods For Modulating

TITLE OF INVENTION: Cerebral Amyloid Angiopathy

FILE REFERENCE: NBI-088CN

CURRENT APPLICATION NUMBER: US/10/705,028

CURRENT FILING DATE: 2003-11-11

PRIOR APPLICATION NUMBER: 60/171,877

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-12-22

SEQ ID NOS: 24

SEQ ID NOS: 24

SEQ ID NOS: 24

SEQ ID NOS: 24

SEQ ID NO 1

FEMALE: PARKEE FARESQ FOR Windows Version 4.0 ORGANISM: Homo sapiens TYPE: PRT

Sequence 1, Appli Sequence 56957, A Sequence 56957, A Sequence 17, Appl Sequence 17, Appl Sequence 11, Appl Sequence 11, Appl Sequence 2, Appli Sequence 2, Appli Sequence 11, Appl Sequence 11, Appl Sequence 16, Appl Sequence 16, Appl Sequence 51, Appl Sequence 51, Appl Sequence 20, Appl Sequence 21, Appl Sequence 22, Appl Sequence 23, Appl Sequence 24, Appl

US-10-705-028-1 US-10-705-028-10 US-10-705-028-10 US-10-705-028-17 US-11-042-922-14 US-11-042-922-14 US-11-042-922-14 US-11-042-922-14 US-10-705-028-11 US-10-705-028-11 US-10-705-028-11 US-10-705-028-11 US-10-705-028-18 US-10-705-028-18 US-10-705-028-18 US-10-705-028-19 PCT-US04-44093-54 PCT-US04-44093-54 PCT-US04-44093-48 US-10-705-028-20 US-09-979-701-22 US-09-979-701-22 US-09-979-701-24 US-09-979-701-24 US-09-979-701-24 US-09-979-701-24 US-09-979-701-24 US-09-979-701-24

0.000.0 9.0

1 KIVFFA 6

ò

Query Match

100.0%; Score 29; DB 6; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.7e+05;
Matches 6; Conservative 0; Mismatches 0; Indels

ö

ô

Sequence Sequence Sequence

요

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17, Application US/10705028

Sequence 17, Application US/10705028

GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088CN
CURRENT APPLICATION NUMBER: US/10/705,028
CURRENT FILING DATE: 2003-11-11
PRIOR APPLICATION NUMBER: 09/747,408
PRIOR FILING DATE: 2000-12-22
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FREUENCE FREUENCE
                                                                                                                                                                                              US-10-705-028-9
; Sequence 9, Application US/10705028
; Genence 9, Application US/10705028
; GENERAL INFORMATION:
; APPLICANT Green, Allan M.
; APPLICANT Gervais, Francine
; TITLE OF INVENTION: Compounds And Methods For Modulating
; TITLE OF INVENTION: Cerebral Amyloid Angiopathy
; FILE REFRENCE: NBI-088CN
; CURRENT APPLICATION NUMBER: US/10/705,028
; CURRENT FILING DATE: 2003-11-11
; PRIOR APPLICATION NUMBER: 09/747,408
; PRIOR FILING DATE: 2000-12-22
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FREESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96.6%; Score 28; DB 6; Length 6; 83.3%; Pred. No. 1.7e+05; ative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 28; DB 6;
Pred. No. 1.7e+05;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 14, Application US/11042922; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.33,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-10-705-028-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , ORGANISM: Homo sapiens
US-10-705-028-17
                                             |||||||
KIVFFA 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:||||
1 KVVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
US-11-042-922-14
                                                                     63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH:
          ò
                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: DOMAIN
LOCATION: (13). (62)
OTHER INFORMATION: kw TRANSCRIPTASE REVERSE II ORF2 domain identified by
OTHER INFORMATION: eMATRIX, accession number DM01354Z, p-value=2.452e-13, raw score
OTHER INFORMATION: 9.06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                        US-10-705-028-10

| Sequence 10, Application US/10705028
| GENERAL INFORMATION:
| APPLICANT Green, Allan M. |
| APPLICANT Green, Allan M. |
| APPLICANT Grevais, Francine |
| TITLE OF INVENTION: Compounds And Methods For Modulating |
| TITLE OF INVENTION: Cerebral Amyloid Angiopathy |
| FILE REFERENCE: NBI-088CN |
| CURRENT APPLICATION NUMBER: US/10/705,028 |
| CURRENT FILING DATE: 2003-11-1| |
| PRIOR APPLICATION NUMBER: 09/747,408 |
| PRIOR APPLICATION NUMBER: 60/171,877 |
| PRIOR FILING DATE: 1999-12-23 |
| NUMBER OF SEQ ID NOS: 24 |
| SEQ ID NO 10 |
| SEQ ID NO 10 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 29; DB 6; Length 99;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790C1P3/US
FILE REPERENCE: 790C1P3/US
CURRENT APPLICATION NUMBER: US/10/450,763
CURRENT FILING DATE: 2003-06-11
PRIOR APPLICATION NUMBER: PCT/US01/08631
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:

NAME/KEY: misc feature

LOCATION: (1)...(99)

OTHER INFORMATION: Xaa = X or * as defined in Table
US-10-450-763-56957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 29; DB 6; Le Best Local Similarity 100.0%; Pred. No. 1.7e+05; Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-450-763-56957
; Sequence 56957, Application US/10450763
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-705-028-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
||||||
1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||||||
1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 56957
LENGTH: 99
```

ò ద

; 0

Gape

ö

```
Score 28; DB 6; Length 1144;
Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3. Application US/10705028
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088CN
CURRENT APPLICATION NUMBER: US/10/705,028
CURRENT PILING DATE: 2003-11-11
PRIOR APPLICATION NUMBER: 09/747,408
PRIOR FILING DATE: 2000-12-22
PRIOR FILING DATE: 2000-12-22
NUMBER OF FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SEQ ID NOS: 24
SEQ ID NOS: 24
SEQ ID NOS: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-705-028-11

| Sequence 11. Application US/10705028 |
| GENERAL INFORMATION: |
| APPLICANT Green, Allan M. |
| APPLICANT Gervais, Francine |
| TITLE OF INVENTION: Compounds And Methods For Modulating |
| TITLE OF INVENTION: Cerebral Amyloid Angiopathy |
| FILE REFRENCE: NBI-088CN |
| CURRENT APPLICATION NUMBER: US/10/705,028 |
| CURRENT FILING DATE: 2003-11-11 |
| PRIOR APPLICATION NUMBER: 60/747,408 |
| PRIOR APPLICATION NUMBER: 60/747,408 |
| PRIOR FILING DATE: 1999-12-23 |
| NUMBER OF SEQ ID NOS: 24 |
| SOFTWARE: FastSEQ for Windows Version 4.0 |
| SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 27; DB 6;
Pred. No. 1.7e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
               CURRENT APPLICATION NUMBER: US/10/937,758A
CURRENT FILING DATE: 2004-09-08
PRIOR APPLICATION NUMBER: 09/650,884
PRIOR FILING DATE: 2000-08-30
NUMBER OF SEQ ID NOS: 121
SOFTWARE: Patentin version 3.1
SEQ ID NO 101
SEQ ID NO 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                              96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3%;
Thea 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
5; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:||||
514 KVVFFA 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA
                                                                                                                                                                                                                                                                                                                       US-10-937-758A-101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-705-028-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-705-028-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 6
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 101, Application US/10937758A
GENERAL INFORMATION:
APPLICANT: TERMAN, David S
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE FILE REFERENCE: FILE REFERENCE 650884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 28; DB 7; Length 416;
Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96.6%; Score 28; DB 7; Length 514; 83.3%; Pred. No. 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
APPLICANT: Fisher, Paul B.
APPLICANT: Kang, Dong-Chul
APPLICANT: Gopalkrishnan, Rahul V.
TITLE OF INVENTION: USE OF MDA-5 AS AN ANTIVIRAL AND
TITLE OF INVENTION: USE OF MDA-5 AS AN ANTIVIRAL AND
TITLE OF INVENTION: ANTIFROLIFERATUR AGENT
FILE REFERENCE: A34614-A-PCT-USA-A-A (070050.2689)
CURRENT APPLICATION NUMBER: US/11/042,922
CURRENT FILING DATE: 2005-01-24
PRIOR FILING DATE: 2002-01-28
PRIOR FILING DATE: 2002-01-28
PRIOR FILING DATE: 2001-02-8
PRIOR FILING DATE: 2001-02-8
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 14
LENGTH: 416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NS-11-042-922-13
Sequence 13, Application US/11042922
Sequence 13, Application US/11042922
Sequence 13, Application US/11042922
Sequence 13, Application US/11042922
APPLICANT: Kang, Dong-Chul
APPLICANT: Gapalkrishnam, Rahul V.
TITLE OF INVENTION: USE OF MOA-5 AS AN ANTIVIRAL AND
TITLE OF INVENTION: ANTIPROLIFERATIVE AGENT
TITLE OF INVENTION: ANTIPROLIFERATIVE AGENT
TITLE OF INVENTION: ANTIPROLIFERATIVE AGENT
CURRENT APPLICATION NUMBER: US/11/042,922
CURRENT FILING DATE: 2005-01-24
FRIOR PTLING DATE: 2002-01-22
FRIOR APPLICATION NUMBER: PCT/US01/06960
FRIOR APPLICATION NUMBER: PCT/US01/06960
FRIOR APPLICATION NUMBER: 09/515,363
FRIOR APPLICATION NUMBER: OB/515,363
FRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: homo sapiens
US-11-042-922-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |:||||
57 KWVFFA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            57 KWVFFA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-937-758A-101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
```

ö

Gaps

```
Sequence 19, Application US/10705028 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83...
5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-705-028-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 r-US04-44093-51
                                                 RESULT 13
US-10-705-028-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Gaps
                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                     ö
                                                                                                                                                                                                          US-10-705-028-2

US-10-705-028-2

Sequence 2, Application US/10705028

GENERAL INFORMATION:

APPLICANT: Green, Allan M.

APPLICANT: Gervais, Francine

TITLE OF INVENTION: Compounds And Methods For Modulating

TITLE OF INVENTION: Cerebral Amyloid Angiopathy

FILE REFERENCE: NBI-088CN

CURRENT APPLICATION NUMBER: US/10/705,028

PRIOR APPLICATION NUMBER: 09/747,408

PRIOR FILING DATE: 2003-11-11

PRIOR FILING DATE: 1999-12-22

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 2

LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18. Application US/10705028
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
APPLICANT: Gerein, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE FEFERENCE: US/10/705,028
CURRENT APPLICATION NUMBER: US/10/705,028
CURRENT FILING DATE: 2003-11-11
PRIOR FILING DATE: 2003-11-12
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FRAESEQ for Windows Version 4.0
SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 27; DB 6; Length 7;
Pred. No. 1.7e+05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                     0; Indels
                                                   Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 7;
                                                 Score 27; DB 6; I
Pred. No. 1.7e+05;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 27; DB 6;
Pred. No. 1.7e+05;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93.1%;
83.3%;
                                                   93.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                   Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-705-028-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
 ; ORGANISM: Homo sapiens
US-10-705-028-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |:||||
2 KLVFFA 7
                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-705-028-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-705-028-18
                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       吕
                                                                                                                            ò
```

```
APPLICANT: Arumugham, Rasappa
APPLICANT: Arumugham, Rasappa
APPLICANT: Arumugham, Rasappa
APPLICANT: Prasad, A. Krishna
TITLE OF INVENTION: Methods of Producing Immunogenic A? Peptide Carrier Conjugates
FILE REPRENCE: 15270C-000110PC
CURRENT APPLICATION NUMBER: PCT/US04/44093
CURRENT APPLICATION NUMBER: DS 60/530,481
PRIOR APPLICATION NUMBER: US 60/530,481
PRIOR PILING DATE: 2003-12-17
NUMBER OF SEQ ID NOS: 54
SOFTHARE: PatentIn version 3.3
SEQ ID NO 51
LENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
0
GENERAL INFORMATION:

APPLICANT: Grevais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Anglopathy
TITLE OF INVENTION: Cerebral Amyloid Anglopathy
FILE REFERENCE: NBI-088CN
CURRENT APPLICATION NUMBER: US/10/705,028
CURRENT FILING DATE: 2003-11-11
PRIOR PLILING DATE: 2003-11-11
PRIOR PLILING DATE: 2000-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FasteEQ for Windows Version 4.0
SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; NAME/KEY: misc_feature
; LOCATION: (8)..(8)
; OTHER INFORMATION: CRM 197 added via terminal cysteine
PCT-USO4-44093-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 27; DB 6; 1
Pred. No. 1.7e+05;
1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 27; DB 1;
Pred. No. 1.7e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 54, Application PC/TUS0444093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 51, Application PC/TUS0444093; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
OTHER INFORMATION: A-beta 16-22 + C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US04-44093-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15
```

Gaps

.. 0

```
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vaguez, Nicki
APPLICANT: Vadnock, Ted
APPLICANT: Vednock, Ted
APPLICANT: Neuralab Limited
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFRENCE: 15270J-004753US
CURRENT APPLICATION NUMBER: US/09/979,701
CURRENT FILING DATE: 2002-03-13
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
PRIOR FILING DATE: 2000-05-20
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Greval, Allan M.
APPLICANT: Grevais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Compounds Anglopathy
TITLE OF INVENTION: Cerebral Amyloid Anglopathy
FILE REFERENCE: NBI-088CN
CURRENT FILING DATE: 2003-11-11
PRIOR APPLICATION NUMBER: 09/74/408
PRIOR FILING DATE: 2003-11-11
PRIOR FILING DATE: 2000-12-22
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SSEQ ID NO 20
LENGTH: 9
                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                       Length 9;
                                                                                                                                                                                                                                                                       DB 1; I
1.7e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 27; DB 6; 1
Pred. No. 1.7e+05;
1; Mismatches 0;
                                                                                                                                                                                                                                                                       Score 27; DB J
Pred. No. 1.7e-
1; Mismatches
PRIOR APPLICATION NUMBER: US 60/530,481
PRIOR FILING DATE: 2003-12-17
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn version 3.3
SEQ ID NO 48
LENGTH: 9
                                                                                                                                                                                   FEATURE:
OTHER INFORMATION: C + A-beta 16-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 20, Application US/10705028; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/09979701 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93.1%;
83.3%;
                                                                                                                                                                                                                                                                         93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-10-705-028-20
                                                                                                                                  TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                         |:||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                                             PCT-US04-44093-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-979-701-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-705-028-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCT-US04-44093-45

| Sequence 45, Application PC/TUS0444093
| Sequence 45, Application PC/TUS0444093
| GENERAL INFORMATION:
| APPLICANT: Arumugham, Rasappa
| APPLICANT: Prasad, A. Krishna
| TITLE OF INVENTION: Methods of Producing Immunogenic A? Peptide Carrier Conjugates
| TITLE OF INVENTION: Methods of Producing Immunogenic A? Peptide Carrier Conjugates
| TITLE OF INVENTION: MUMBER: PCT/US04/44093
| CURRENT FILING DATE: 2004-12-17
| PRIOR FILING DATE: 2003-12-17
| NUMBER OF SEQ ID NOS: 54
| SOFTWARE: Patentin version 3.3
| SEQ ID NO 45
| LENGTH: 9
                       APPLICANT: Arumugham, Rasappa
APPLICANT: Arumugham, Rasappa
APPLICANT: Prasad. A. Krishna
TITLE OF INVENTION: Methods of Producing Immunogenic A? Peptide Carrier Conjugates
FILE REFERENCE: 15270C-000110PC
CURRENT APPLICATION NUMBER: PCT/US04/44093
CURRENT FILING DATE: 2004-12-17
PRIOR APPLICATION NUMBER: US 60/530,481
PRIOR FILING DATE: 2003-12-17
SPING FILING DATE: 2003-12-17
SUMBER OF SEQ ID NOS: 54
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Arumugham, Rasappa
APPLICANT: Prasad, A. Krishna
TITLE OF INVENTION: Methods of Producing Immunogenic A? Peptide Carrier Conjugates
FILE REFERENCE: 15270C-000110PC
CURRENT APPLICATION NUMBER: PCT/US04/44093
CURRENT FILING DATE: 2004-12-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93.1%; Score 27; DB 1; Length 9; 83.3%; Pred. No. 1.7e+05; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 27; DB 1; Length 8; Pred. No. 1.7e+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc feature LOCATION: (1). (1) (1) OTHER INFORMATION: CRM 197 added via N-terminal cysteine
                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: C + A-beta 16-22 + C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 48, Application PC/TUS0444093 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: A-beta 16-23 + C PCT-US04-44093-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83...
5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificia]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 KLVFFA 7
      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US04-44093-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US04-44093-54
                                                                                                                                                                                                                                                    SEQ ID NO 54
LENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             名
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
```

ö

Gaps

```
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                     SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 10
                                                                                                                                                                                                                                                Query Match 93.1
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
NUMBER OF SEQ ID NOS: 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                     1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                 3 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 23
US-09-979-701-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-979-701-23
                                                                                                                                                                                                           US-09-979-701-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-979-701-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21, Application US/09979701

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Barde Frederique
APPLICANT: Vadnock, Ted
APPLICANT: Neuralab Limited
TITLE OF INVENTION: Pervention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004753US
FURRENT APPLICATION NUMBER: US/09/979,701
CURRENT APPLICATION NUMBER: US/09/979,701
FRIOR PILING DATE: 2000-05-20
PRIOR PLING DATE: 2000-05-20
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 21
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22, Application US/09979701
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Yedlock, Ted
APPLICANT: Valock, Ted
APPLICANT: Valock, Ted
APPLICANT: Neuralab Limited
ITILE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152704-004753US
CURRENT APPLICATION NUMBER: US/09/979,701
CURRENT FILING DATE: 2002-031-3
PRIOR FILING DATE: 2000-05-20
PRIOR PAPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                   TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid
US-09-979-701-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide , OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid , OTHER INFORMATION: peptide)
                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                    93.1%; Score 27; DB 5; Length 10; llarity 83.3%; Pred. No. 0.65; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 27; DB 5; Length 10;
Pred. No. 0.65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                       5 KLVPPA 10
                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                               US-09-979-701-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 21
US-09-979-701-22
  LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Vednock, Tednock, Tednock, Tednock, Tents OF Inventalab Limited
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152704-004753US
CURRENT APPLICATION NUMBER: US/09/979,701
CURRENT APPLICATION NUMBER: W09/07-001
PRIOR PRILING DATE: 2000-05-20
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Schenk, pale B.
APPLICANT: Schenk, pale B.
APPLICANT: Bard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Vadnock, Ted
APPLICANT: Vednock, Ted
APPLICANT: Neuralab Limited
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004753US
CURRENT APPLICATION VUMBER: 2009/979,701
CURRENT FILING DATE: 2002-03-13
PRIOR APPLICATION NUMBER: WO PCT/US00/14810
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide
OTHER INFORMATION: from AM1792 sequence (human Abeta42, beta-amyloid
OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    of Artificial Sequence:10-mer peptide sequence (human Abeta42, beta-amyloid
                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 27; DB 5; Length 10;
Pred. No. 0.65;
1; Mismatches 0; Indels
                                                                                                                                                         Score 27; DB 5;
Pred. No. 0.65;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 23, Application US/09979701; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 24, Application US/09979701 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
OTHER INFORMATION: DESCRIPTION
OTHER INFORMATION: from AN1792
OTHER INFORMATION: peptide)
                                                                                                                                                              93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93.1%;
83.3%;
```

```
RESULT 27
US-11-058-757-23
                                                                                                                                                                                                                                           US-11-058-757-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-11-058-757-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
APPLICANT: Yednock, Ted
TILE CHINCENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/11/058,757
CURRENT APPLICATION NUMBER: US/09/580,018
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1099-05-28
NUMBER OF SEQ ID NOS: 77
SCHWARE: Patentin Ver. 2.1
SEQ ID NO 20
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide ; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid ; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21, Application US/11058757
GRNERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 15270J-004760US
CURRENT APPLICATION NUMBER: US/11/058,757
CURRENT FILING DATE: 2005-02-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                               Score 27; DB 5; Length 10;
Pred. No. 0.65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93.1%; Score 27; DB 7; Length 10; 83.3%; Pred. No. 0.65;
                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
PRIOR FILING DATE: 2000-05-20
PRIOR PEDLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 24
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US/09/580,018
PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 20, Application US/11058757; GENERAL INFORMATION:
                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                               93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                      |:||||
1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-11-058-757-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-11-058-757-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-058-757-20
                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
```

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 26
US-11-058-757-22
; Sequence 22, Application US/11058757
; GENERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Bard, Frederique
; APPLICANT: Vednock, Ted
; TILE REFERENCE: 152703-004760US
; FILE REFERENCE: 152703-004760US
; CURRENT APPLICATION NUMBER: US/11/058,757
CURRENT APPLICATION NUMBER: US/05-02-14
; PRIOR FILING DATE: 2005-02-14
; PRIOR PLILNG DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US/09/880,018
; PRIOR PLILNG DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/11058757

GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Ted
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 152705-004760US
CURRENT APPLICATION NUMBER: US/11/058,757
CURRENT FILING DATE: 2005-02-14
PRIOR PELING DATE: 2006-05-26
PRIOR FILING DATE: 2006-05-26
PRIOR PLING DATE: US/9/580,018
PRIOR FILING DATE: US/9/580,018
                                                                                                                                                                                       FEATURE: OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of Artificial Sequence:10-mer peptide sequence (human Abeta42, beta-amyloid
                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                               Score 27; DB 7; Length 10;
Pred. No. 0.65;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93.1%; Score 27; DB 7; Length 10;
83.3%; Pred. No. 0.65;
iive 1; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SCOFWARE: Patentin Ver. 2.1
SEQ ID NO 21
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description
OTHER INFORMATION: from AN1792
OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                  93.1%;
                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:||||
3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                            |:||||
4 KLVFFA
```

```
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 24, Application US/11058757
; Sequence 24, Application US/11058757
; GENERAL INFORMATION:
; APPLICANT: Schenk, Dale B.
; APPLICANT: Bard, Frederique
; APPLICANT: Yednock, Ted
; TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
; TITLE OF INVENTION: Prevention
; FILE REFERENCE: 15270J-004760US
; CURRENT APPLICATION NUMBER: US/11/058,757
; CURRENT PILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US/09/580,018
; PRIOR APPLICATION NUMBER: US/09/22,289
; PRIOR PILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 24
: LENGTH: 10
                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 75, Application US/09979701
Sequence 75, Application US/09979701
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vancat, Nicki
APPLICANT: Yednock, Ted
APPLICANT: Yednock, Ted
APPLICANT: Neuralab Limited
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERENCE: 15270J-004753US
CURRENT APPLICATION NUMBER: US/09/979,701
CURRENT FILING DATE: 2002-03-13
PRIOR FILING DATE: 2000-05-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
US-11-058-157-24
                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide; OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid; OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 27; DB 7; Length 10;
Pred. No. 0.65;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                           93.1%; Score 27; DB 7; Length 10;
83.3%; Pred. No. 0.65;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                       |:||||
2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                          1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-979-701-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 28
US-11-058-757-24
                                                                SEQ ID NO 23
LENGTH: 10
                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                     ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
APPLICANT: Bard, Frederique
TILE BERFERENCE: 152705-004760US
CURRENT APPLICATION NUMBER: US/11/058,757
CURRENT FILING DATE: 2005-02-14
PRIOR FILING DATE: 2005-02-14
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 75
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
FRATURE:
OTHER INFORMATION: Description of Artificial Sequence:Abeta 13-28
OTHER INFORMATION: peptide with two Gly residues added and inserted
OTHER INFORMATION: Cys residue
                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:Abeta 13-28 OTHER INFORMATION: peptide with two Gly residues added and inserted OTHER INFORMATION: Cys residue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 93.1%; Score 27; DB 7;
Best Local Similarity 83.3%; Pred. No. 1.3;
Matches 5; Conservative 1; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                           93.1%; Score 27; DB 5;
83.3%; Pred. No. 1.3;
tive 1; Mismatches
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 75
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: MOD_RES

LOCATION: (1)

CTHER INFORMATION: Xaa = N-acetyl His
US-11-058-757-75
                                                                                                                                                                                                                                          CTHER INFORMATION: Cyg residue
FEATURE:
NAMENKEY: MOD_RES
LOCATION: (1)
COTHER INFORMATION: Xaa = N-acetyl His
US-09-979-701-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-908-943B-25; Sequence 25, Application US/09908943B; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-11-058-757-75; Sequence 75, Application US/11058757; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; APPLICANT: Yan, Rigiang
; APPLICANT: Tomasselli, Alfredo G.
                                                                                                                                                      ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                              4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KIVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLVFFA
```

```
APPLICANT: Arumudham, Rasappa
APPLICANT: Arumudham, Rasappa
APPLICANT: Prasad, A. Krishna
TITLE OF INVENTION Methods of Producing Immunogenic A? Peptide Carrier Conjugates
TILE REPERENCE: 15270C-00011090C
CURRENT APPLICATION NUMBER: PCT/US04/44093
CURRENT FILING DATE: 2004-12-17
PRIOR APPLICATION NUMBER: US 60/530,481
PRIOR PILING DATE: 2003-12-17
RUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gарв
                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Waguez, Nicki
APPLICANT: Vadnock, Ted
APPLICANT: Vednock, Ted
APPLICANT: Neuralab Limited
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE REFERENCE: 182/01-004753U3
CURRENT APPLICATION NUMBER: US/09/979,701
CURRENT FILING DATE: 2002-03-13
PRIOR FILING DATE: US/09/014810
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ..
0
                                                                                                                                                                                              Score 27; DB 1; Length 42; Pred. No. 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Length 42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 42;
                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: human Abeta42 beta-amyloid peptide US-09-979-701-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 27; DB 5;
Pred. No. 3;
                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 27;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                      PCT-US04-44093-42; Sequence 42, Application PC/TUS0444093; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 42, Application US/09979701 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity 83.3%; 5; Conservative
                                                                                                                                                                                                93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 83.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                              Query Match
Best Local Similarity 83.5
Pest Local 5; Conservative
                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-USO4-44093-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Mus musculus
PCT-USO4-44093-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                 |:||||
16 KLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |:||||
KLVFFA 21
                                                                                                                                                                                                                                                                         1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 42
LENGTH: 42
                                                                                                       LENGTH: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGIH:
                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Arumgham, Rasappa
APPLICANT: Arumgham, Rasappa
APPLICANT: Arumgham, A. Krishna
TITLE OF INVENTION: Methods of Producing Immunogenic A? Peptide Carrier Conjugates
FILE REPERENCE: 15270C-000110PC
CURRENT APPLICATION NUMBER: PCT/US04/44093
CURRENT APPLICATION NUMBER: 06/530,481
PRIOR FILING DATE: 2003-12-17
NUMBER OF SEQ ID NOS: 54
SOFTMARE: Patentin version 3.3
SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
APPLICANT: Emmons, Thomas L.
APPLICANT: Bienkowski, Mike J.
FITLE OF INVENTION: SUBSTRATES AND ASSAYS FOR BETA-SECRETASE ACTIVITY
FILE REFERENCE: 29915/00281A.US
CURRENT APPLICATION NUMBER: US/09/908,943B
CURRENT ELING DATE: 2001-07-19
PRIOR RPLING DATE: 2001-07-19
NUMBER OF SEQ ID NOS: 129
SOUTWARE: Patentin Ver. 2.0
SEQ ID NO 25
TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: peptide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93.1%; Score 27; DB 5; Length 20; 83.3%; Pred. No. 1.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93.1%; Score 27; DB 6; Length 28; 83.3%; Pred. No. 1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Promotion of Applied...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Soluble cyclic analogs...
FILE REPRENENC: 25182
CURRENT APPLICATION NUMBER: US/10/250,581A
CURRENT FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: DE 101 01 430 A1
PRIOR FILING DATE: 2001-01-13
NUMBER OF SEQ ID NOS: 21
SOFTWARE PATENTIN VERSION 3.3
SOFTWARE PATENTIN VERSION 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 33
FCT-USO4-44093-21
Sequence 21, Application PC/TUS0444093
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-250-581A-20; Sequence 20, Application US/10250581A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
US-10-250-581A-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |:||||
14 KLVFFA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:||||
16 KLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-908-943B-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
```

ö

```
Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-60-647-493-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-60-647-493-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                        ઠે
                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 190, Application US/11021951
GENERAL INFORMATION:
APPLICANT: HAUPTS, Ulrich
APPLICANT: SCHEIDIG, Andrees
APPLICANT: WOTSWEIER, Christian
APPLICANT: WOTSWEIER, Christian
APPLICANT: WOTSWEIER, Ulrich
APPLICANT: WOTSWEIER, Ulrich
APPLICANT: WOTSWEIER, Ulrich
APPLICANT: WOTSWEIER, Ulrich
APPLICANT: COCO, Wayne Michael
TITLE OF INVENTION: New Biological Entities And The Pharmaceutical
TITLE OF INVENTION: New Biological Entities And The Pharmaceutical
TITLE OF INVENTION: New Biological Still Color Thereof
CURRENT APPLICATION NUMBER: US/11/021,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                           ## Sequence 1, Application US/10903279
## Sequence 1, Application US/10903279
## Sequence 1, Application US/10903279
## SERENAL INFORMATION:
## APPLICANT: Weiner, Howard
## APPLICANT: Selkoe, Dennis J.
## TILE OF INVENTION: AMYLOID beta-PEPTIDE AND METHODS OF USE
## TILE OF INVENTION: AMYLOID beta-PEPTIDE AND METHODS OF USE
## FILE REFERENCE: 10266-016001
## CURRENT APPLICATION NUMBER: US/10/903,279
## PRIOR PILION UNMBER: US 60/491,485
## PRIOR FILING DATE: 2003-07-30
## NUMBER OF SEQ ID NOS: 2
## SOFTWARE: FastSEQ for Windows Version 4.0
## SEQ ID NO 1
## ILENGTH: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.1%; Score 27; DB 6; Length 42; 83.3%; Pred. No. 3; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 10/872,198
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/524,960
PRIOR FILING DATE: 2003-11-25
PRIOR APPLICATION NUMBER: 60/524,960
PRIOR FILING DATE: 2003-11-25
PRIOR PILING DATE: 2003-11-11
PRIOR FILING DATE: 2003-11-11
PRIOR FILING DATE: 2003-11-11
PRIOR FILING DATE: 2003-11-10
PRIOR PLING DATE: 2003-11-10
PRIOR FILING DATE: 2003-11-10
PRIOR PLING DATE: 2003-11-10
PRIOR FILING DATE: 2003-11-10
PRIOR FILING DATE: 2003-06-18
NUMBER OF SEQ ID NOS: 191
SEQ ID NO 190
LENGTH: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens
US-11-021-951-190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16 KLVFFA 21
                                                                             16 KLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KIVFFA 6
                                1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 37
US-11-021-951-190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-903-279-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ద
                                  ð
                                                                                ద
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                          ö
                                                                                                                                                                                        US-11-058-157-42

US-11-058-157-42

i Sequence 42, Application US/11058757

j GENNERAL INFORMATION:

j APPLICANT: Schenk, Dale B.

j APPLICANT: Bard, Frederique

j APPLICANT: Bard, Frederique

j TILLE APPLICANT: Yed

TILLE REPERENCE: 12570J-004760US

FURRENT APPLICATION NUMBER: US/11/058,757

CURRENT APPLICATION NUMBER: US/09/580,018

PRIOR FILING DATE: 2005-02-14

PRIOR FILING DATE: 1999-05-26

PRIOR FILING DATE: 1999-05-28

NUMBER OF SEQ ID NOS: 77

SOFTWARE: PatentIN Ver. 2.1

SEQ ID NO 42

LENGTH: A2

LENGTH: A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence:/note = OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.1%; Score 27; DB 8; Length 42; 83.3%; Pred. No. 3; tive 1; Mismatches 0; Indels
Score 27; DB 7; Length 42;
Pred. No. 3;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             93.1%; Score 27; DB 7; Length 42; 83.3%; Pred. No. 3; 1, Mismatches 0; Indels ive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/60647493
Sequence 7, Application US/60647493
GENERAL INFORMATION:
APPLICANT: Rubinstein, Amy
TITLE OF INVENTION: TRANSGENIC ZEBRAFISH MODELS FOR
TITLE OF INVENTION: ALZHEIMER'S DISEASE
CURRENT APPLICATION NUMBER: US/60/647,493
CURRENT FILING DATE: 2005-01-27
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 7
SEQ ID NO 7
LENGTH: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: human Abeta42 beta-amyloid peptide US-11-058-757-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Artificial Sequence
      93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16 KLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 KLVFFA 21
                                                                                                                                16 KLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                        1 KIVFFA 6
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: State, Steven C.
APPLICANT: Miegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/11/031,175
CURRENT APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 13513
                                                                                                                                                                                                                                                                                                                                                                                                                      Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:/note = OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                                                                                                                                                                                         Length 123;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: RUBEN, Steven et al.
TITLE OF INVENTION: BREAST DISEASE TARGETS AND USES THEREOF
FILE REFERENCE: CLOOUS78
CURRENT APPLICATION NUMBER: US/60/651,509
CURRENT PILING DATE: 2005-02-10
NUMBER OF SEQ ID NOS: 1940
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 336
LENGTH: 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.1%; Score 27; DB 8; Length 695, 83.3%; Pred. No. 59;
                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/60647493
GENERAL INFORMATION:
APPLICANT: RUbinstein, Amy
TITLE OF INVENTION: ALZHERMER'S DISEASE
FILE REPERENCE: 26007.0004U1
CURRENT APPLICATION NUMBER: US/60/647,493
CURRENT FILING DATE: 2005-01-27
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FASESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                         DB 7;
                                                                                                                                                                                                                                                                                                                                                                       Score 27; DB 7
Pred. No. 9.4;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 44
US-60-651-509-336
; Sequence 336, Application US/60651509
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                         93.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                        ; ORGANISM: Myxococcus xanthus US-11-031-175-13513
                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 93.1
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |:||||
612 KLVFFA 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |::|||
52 KVIFFA 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-60-651-509-336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-60-647-493-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 3
LENGTH: 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-60-647-493-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: DOMAIN
LOCATION: (45)...(59)
OTHER INFORMATION: BETA-AMYLOID PEPTIDE (BETA-APP) SIGNATURE domain identified
OTHER INFORMATION: by eMATRIX, accession number PR00204A, p-value=1.346e-19, raw scc OTHER INFORMATION: of 16.44
                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Hyeeq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790CTP3/US
CURRENT APPLICATION NUMBER: US/10/450,763
CURRENT FILING DATE: 2003-06-11
PRIOR APPLICATION NUMBER: PCT/US01/08631
PRIOR PILING DATE: 2000-03-30
PRIOR FILING DATE: 2000-03-31
PRIOR FILING DATE: 2000-03-31
PRIOR FILING DATE: 2000-03-31
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.1%; Score 27; DB 6; Length 93; 83.3%; Pred. No. 7; 0; Indels ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                               DB 6; Length 43;
                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                          APPLICANT: Fraunhofer Society for Promotion of Applied...
TITLE OF INVENTION: Soluble cyclic analogs...
TITLE OF INVENTION: Soluble cyclic analogs...
CURRENT APPLICATION NUMBER: US/10/250,581A
CURRENT FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: DE 101 01 430 A1
PRIOR APPLICATION NUMBER: DE 101 01 430 A1
NUMBER OF SEQ. 10 NOS: 21
SOFTWARE: Patentin version 3.3
SEQ. ID NO. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; LOCATION: (1).\[ \tilde{\capacita}\). (93)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-49442
                                                                                                                                                                                                                                                                                                                                                                                             Score 27; DB (Pred. No. 3.1; 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-450-763-49442; Sequence 49442; Sequence 49442; General INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 13513, Application US/11031175
                    Sequence 1, Application US/10250581A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 83.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature LOCATION: (1)...(93)
                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:||||
57 KLVFFA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16 KLVFFA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 42
US-11-031-175-13513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 49442
LENGTH: 93
  US-10-250-581A-1
                                                                                                                                                                                                                                                                                                                                                     US-10-250-581A-1
                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

Gaps

```
ö
                                                                                                                                                            .;
0
                                                                                                                                                                                                                                                                                                                               Sequence 471, Application US/10287436A
; GENERAL INFORMATION:
    APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
    TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
    TITLE OF INVENTION: RHEUMATIOLD ARTHRITIS
    FILE OF INVENTION: RHEUMATOLD ARTHRITIS
    FILE OF INVENTION WIMBER: US/10/287,436A
    CURRENT APPLICATION NUMBER: US/10/287,436A
    CURRENT PILING DATE: 2002-10-31
    NUMBER OF SEQ ID NOS: 1446
    SOFTWARE: FASTSEQ for Windows Version 4.0
    SEQ ID NO 471
    LENGTH: 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KESULI 48
KESULI 48
KESULI 48
KESULI 48
KESULI 48
KENERATION
KENERAL INFORMATION
KENERAL INFORMATION
KENERAL INFORMATION
KETHOD FOR DIAGNOSIS AND TREATMENT OF
TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
TITLE OF INVENTION: METHOD ARTHRITIS
KELE REFERENCE: 10872.514696
CURRENT APPLICATION NUMBER: US/10/287,436A
CURRENT FILING DATE: 2002-10-31
KNUMBER OF SEQ ID NOS: 1446
KSCO ID NO 1168
KENGTH: 770
KENGTH: 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 27; DB 6; Length 770;
Pred. No. 66;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 770;
                                                                                                                    Length 751;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                            Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93.1%; Score 27; DB 6; 83.3%; Pred. No. 66;
                                                                                                                        DB 8;
                                                                                                                        93.1%; Score 27; DB 83.3%; Pred. No. 64; tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93.1%;
83.3%;
                                                                                                     Query Match
Best Local Similarity 85...
5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 83.3
Matches 5; Conservative
; SEQ ID NO 339
; LENGTH: 751
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-651-509-339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
US-10-287-436A-1168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
US-10-287-436A-471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |:||||
687 KLVFFA 692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             687 KLVFFA 692
                                                                                                                                                                                                                                            668 KLVFFA 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KIVFFA 6
                                                                                                                                                                                                        1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                   ô
                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 332, Application US/60651509
Sequence 332, Application US/60651509
GENERAL INPORMATION:
TITLE OF INVENTION: BREAST DISEASE TARGETS AND USES THEREOF
FILE REFERENCE: CLO01578
CURRENT APPLICATION NUMBER: US/60/651,509
CURRENT FILING DATE: 2005-02-10
NUMBER OF SEQ ID NOS: 1940
SOFTWARE: PSESEEQ for Windows Version 4.0
SEQ ID NO 332
LENGTH: 751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.1%; Score 27; DB 8; Length 751;
83.3%; Pred. No. 64;
sive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 339, Application US/60651509
GENERAL INFORMATION:
APPLICANT: RUBEN, Steven et al.
TITLE OF INVENTION: BREAST DISEASE TARGETS AND USES THEREOF
FILE REFERENCE: CL001578
CURRENT APPLICATION NUMBER: US/60/651,509
CURRENT APPLICATION NUMBER: 2005-02-10
NUMBER OF SEQ ID NOS: 1940
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                          Sequence 340, Application US/60651509
GENERAL INFORMATION:
APPLICANT: RUBEN, Steven et al.
APPLICANT: RUBEN, Steven et al.
TITLE OF INVENTION: BREAST DISEASE TARGETS AND USES THEREOF
FILE REFERENCE: CL001578
CURRENT APPLICATION NUMBER: US/60/651,509
CURRENT FILING DATE: 2005-02-10
NUMBER OF SEQ ID NOS: 1940
SOFTWARE: FactSEQ for Windows Version 4.0
SEQ ID NO 340
LENGTH: 695
                       Score 27; DB 8; Length 695;
Pred. No. 59;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 27; DB 8; Length 695;
Pred. No. 59;
1; Mismatches 0; Indels
                             93.1%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 93.1%;
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 93.1
Best Local Similarity 83.3
Matches 5; Conservative
                             Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
US-60-651-509-332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Homo sapiens
US-60-651-509-340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:||||
668 KLVFFA 673
                                                                                                                                                 612 KLVFFA 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |:||||
612 KLVFFA 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KIVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KIVFFA 6
                                                                                                           1 KIVFFA 6
                                                                                                                                                                                                               RESULT 45
US-60-651-509-340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-60-651-509-339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                ð
                                                                                                                                                   셤
```

ö

Gaps

ö

Gaps

THIS PAGE BLANK (WPTO)

2

Run on:

Sequence 63253, A Sequence 72133, A Sequence 17319, A Sequence 17429, Sequence 17429, Sequence 1207, Ap Sequence 1207, Ap Sequence 20966, Sequence 2193, Ap Sequence 5193, Ap Sequence 53355, A Sequence 156769, Sequence 256442, Sequence 256442, Sequence 25643, Sequence 15620, Sequence 15620, Sequence 15630, Sequence 25643, Sequence 256334, Ap Sequence 15630, Sequenc 161001, 226218, 152533, 261281, 152553, 185955, 51087, A Sequence 14, Application US/09867847

Retent No. US20020094335A1

GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Chalifour, Xianqi
APPLICANT: Hebert, Lise
APPLICANT: Gervais, Francine
TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
TITLE OF INVENTION: AND ANYLOID RELATED DISEASES
FILE REFERENCE: 14445-501 CIP
CURRENT APPLICATION NUMBER: US/09/867,847
CURRENT FILING DATE: 2001-09-20
FRIOR APPLICATION NUMBER: 60/168,594
PRIOR FILING DATE: 1999-11-29 Sequence 192958, Sequence 222643, Sequence 160048, Sequence 162355, Sequence 283039, 264247, 225698, 231294, Sequence 59186, P. Sequence 44824, A. 158947, Sequence 2 Sequence 3 Sequence 3 Sequence 2 Sequence 2 Sequence 2 Sequence 2 Sequence 2 Sequence 1 Sequence 1 Sequence 1 Sequence 1 Sequence 1 Sequence 2 Sequence 2 Sequence 3 Sequence 3 Sequence 5 Sequence Sequence S US-10-296-734-405
S US-10-369-493-8703
US-10-437-963-195961
US-10-437-963-195961
US-10-437-963-195961
S US-10-424-599-160048
S US-10-424-599-160048
S US-10-424-599-160048
S US-10-424-599-160048
S US-10-282-122A-61253
S US-10-282-122A-72133
S US-10-282-122A-72133
S US-10-369-493-17320
S US-10-424-599-260161
S US-10-424-599-261293
S US-10-424-599-152533
S US-10-424-599-152533 US-09-864-761-44824 ALIGNMENTS US-09-867-847-14 Sequence 13, Appl Sequence 2980, Ap Sequence 203341, Sequence 192576, Sequence 13359, A Sequence 2767, Ap Sequence 2767, Ap Sequence 14, Appl Sequence 22, Appl Sequence 12, Appl Sequence 12, Appl Sequence 5, Appl Sequence 393, App 4... March 9, 2005, 06:27:44 ; Search time 49.3151 Seconds (without alignments) 40.034 Million cell updates/sec Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Description Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/VSO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT7 WEW PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/NSO6_NEW PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO6_NEW PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO6_NEW PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USO7_NEW PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/USO8_NEW PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/USO8_NEW PUB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/USO8_NEW PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/USO9_NEW PUB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/USO9_NEW PUB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/USO9_NEW PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/USO9_NEW PUB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USOOP_PUBCOMB.pep:* 1391452 GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd US-09-867-847-14
US-09-867-847-24
US-09-915-092-4
US-09-915-092-12
US-09-915-092-12
US-09-915-092-12
US-09-747-408-13
US-09-747-408-13
US-09-747-968-13869
US-10-437-963-192576
US-10-264-0493-13359
US-10-264-0493-2767
US-10-264-0493-2767 Total number of hits satisfying chosen parameters: 1391452 segs, 329044822 residues Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries - protein search, using sw model BLOSUM62 Gapop 10.0 , Gapext 0.5 Minimum DB seq length: 0 Maximum DB seq length: 2000000000 US-10-009-122-5 29 DB Length 220 106 1095 1896 1 AFFVLK 6 Query Title: Perfect score: Scoring table: Score OM protein Sequence: Searched: Database

122400492

Result

```
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
US-09-915-092-12
                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
CRGANISM: Homo sapiens
US-09-915-092-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ÚS-09-915-092-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            yequence 22, Application US/09867847

| Sequence 22, Application US/09867847
| Patent No. US20020004335A1
| GENERAL INFORMATION:
| APPLICANT: Chalifour, Robert
| APPLICANT: Chalifour, Robert
| APPLICANT: Gervaie, Francine | APPLICANT: ON PARION END APPLICANTON NUMBER: 60/168,594 | APRIOR PILING DATE: 2001-09-20 | PRIOR PILING DATE: 2000-11-28 | APPLICANTON NUMBER: 09/724,842 | APP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence: All D peptides OTHER INFORMATION: or peptidomimetics NAME/KEY: MOD_RES
                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: All D peptides OTHER INFORMATION: or peptidomimetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 29; DB 9; Length 6; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Gervais, Francine
APPLICANT: Kong, Xianqi
APPLICANT: Chalifour, Robert
APPLICANT: Migneault, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 9; I 100.0%; Pred. No. 1.3e+06; ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
PRIOR APPLICATION NUMBER: 09/724,842
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 4, Application US/09915092; Publication No. US20020115717A1
                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: AMIDATION US-09-867-847-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||||||
1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-867-847-22
                                                                                                                                                                                                                                                                                                                                                                                                             US-09-867-847-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 3
US-09-915-092-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/09747408
; Sequence 5, Application US/09747408
; Publication No. US20030003141A1
; GENERAL INFORMATION:
; APPLICANT: Green, Allan M.;
; APPLICANT: Geren, Allan M.;
; TITLE OF INVENTION: Compounds And Methods For Modulating;
; TITLE OF INVENTION: Cerebral Amyloid Angiopathy;
; FILE REFERENCE: NBI-088
; CURRENT APPLICATION NUMBER: 105/09/747,408
; CURRENT FILING DATE: 2000-12-22
; PRIOR PILING DATE: 1999-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Gervais, Francine

APPLICANT: Chalifour, Robert

APPLICANT: Chalifour, David

TITLE OF INVENTION: AMYLOID TRAGETING IMAGING AGENTS AND

TITLE OF INVENTION: USES THEREOF

TITLE OF INVENTION: USES THEREOF

CURRENT APPLICATION NUMBER: 08/09/915,092

CURRENT PLILING DATE: 2001-07-24

FRIOR PILING DATE: 2000-07-25

NUMBER OF FILING DATE: 2000-07-25

NUMBER OF FILING DATE: AMYCON-07-25

SOFTWARE: FRASERE FOR WINGOWS Version 4.0

SEQ ID NOS: 28

SEQ ID NOS: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 29; DB 9; Length 6; 100.0%; Pred. No. 1.3e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                             Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 9;
100.0%; Pred. No. 1.3e+06;
iive 0; Mismatches 0;
TITLE OF INVENTION: USES THEREOF;
FILE REFERENCE: NBI-139
CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT FILING DATE: 2001-07-24
PRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 12, Application US/09915092 Publication No. US20020115717A1
```

۲

```
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Oryza sativa
 ||||||
83 AFFVLK 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90 AFFVLK 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-437-963-192576
                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 3980, Application US/10472928
; Sequence 3980, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
; FILE REPERENCE: P026926W0
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT PLILING DATE: 2003-09-26
; PRIOR PILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: SEQ ID NOS: 4979
; SEQ ID NO 3980
; LENGTH: 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                       ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 17; Length 88; 100.0%; Pred. No. 68; 0; Indels tive 0; Mismatches 0; Indels
                                                                                           Query Match 100.0%; Score 29; DB 10; Length 6; Best Local Similarity 100.0%; Pred. No. 1.3e+06; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                               RESULT 6
US-09-747-408-13
Sequence 13, Application US/09747408
Sequence 13, Application US/09747408
Publication No. US20030003141A1
GENERAL INFORMATION:
APPLICANT: Gereen, Allan M.
TITLE OF INVENTION: Compounds And Methods For Modulating
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TILE REPERENCE: NBI-088
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 2000-12-22
PRIOR PELING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 6;
                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Streptococcus pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: box element US-10-472-928-3980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-747-408-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                         1 AFFVLK 6
                                                                                                                                                                                               ||||||
1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ||||||
1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-747-408-13
                                                                                                                                                                         ઠ
                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

1 AFFVLK 6

à

```
GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Enco., Yihua

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Barbazuk, Brad

APPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: About, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Rice Nucleic Acid Molecules Associated With TITLE OF INVENTION: Rice Nucleic Acid Molecules Associated With TITLE OF INVENTION: Rice Nucleic Acid Molecules Associated With TITLE OF INVENTION: 204966
SEQ ID NOS: 204966
SEQ ID NOS: 204966
SEQ ID NOS: 204966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Clone ID: PAT_MRT4530_98533C.1.pep
US-10-437-963-203341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Clone ID: PAT_MRT4530_88796C.1.pep
US-10-437-963-192576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 29; DB 16; Best Local Similarity 100.0%; Pred. No. 75; Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
100.0%; Score 29; DB 16;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0;
; Sequence 203341, Application US/10437963
; Publication No. US20040123343A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 192576, Application US/10437963
Publication No. US20040123343A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
```

임

```
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Go, Yongwel
APPLICANT: Go, Yongwel
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
ITILE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
ITILE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
ITILE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
ITILE OF INVENTION: PLANTS WITH IMPROVED
CURRENT APPLICATION NUMBER: US (0)369, 493
CURRENT APPLICATION NUMBER: US 60/360, 039
PRIOR APPLICATION NUMBER: US 60/360, 039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96.6%; Score 28; DB 15; Length 1095; 83.3%; Pred. No. 1.2e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96.6%; Score 28; DB 15; Length 1896; 83.3%; Pred. No. 2e+03; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 393, Application US/10296734

Publication No. US20040054137A1

GENERAL INPORMATION:
APPLICANT: Thompson, Scott A

TITLE OF INVENTION: Synthetic molecules and uses therefor TITLE REFERENCE: Savine
CURRENT FILICATION NUMBER: US/10/296,734

CURRENT FILICATION NUMBER: US/10/296,734

CURRENT FILICATION NUMBER: 2003-08-04

PRIOR PELICATION NUMBER: AU PQ7761/00

PRIOR PLICATION NUMBER: AU PQ7761/00

SEQ ID NOS: 1507

SOFTWARE: PatentIn version 3.2

LENGTH: 1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 405, Application US/10296734
Publication No. US20040054137A1
GENERAL INFORMATION:
APPLICANT: Thompson, Scott A
TILE OF INVENTION: Synthetic molecules and uses therefor
FILE REFERENCE: Savine
CURRENT APPLICATION NUMBER: US/10/296,734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
Sequence 2025, Application US/10369493
Publication No. US20030233675A1
                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Saccharomyces cerevisiae US-10-369-493-2025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTHER INFORMATION: HIV cassette Al US-10-296-734-393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 96.6
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 96.6
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |||:||
1034 AFFILK 1039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1082 AFFILK 1087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-296-734-405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-296-734-393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                Sequence 13359, Application US/10369493

Publication No. US20020233675A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Gaidman, Barry S.
APPLICANT: Gladman, Barry S.
APPLICANT: Goldman, Barry S.
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF TITLE OF INVENTION: BLANTS WITH IMPROVED PROPERTIES
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT APPLICATION NUMBER: US/60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 13359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

APPLICANT: Birse et al.

TILLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REPERENCE: PAI381

CURRENT APPLICATION NUMBER: US/10/264,049

CURRENT APPLICATION NUMBER: US/10/264,049

PRIOR PILING DATE: 2001-06-07

PRIOR PELING DATE: 2001-06-07

PRIOR PELING DATE: 2000-06-07

NUMBER OF SEQ ID NOS: 4360

SOFTWARE: PATCHIN Ver. 3.1

LENGTH: 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 220;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 106;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 29; DB 15; 100.0%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 28; DB 15;
Pred. No. 1.3e+02;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; NAME/KEY: unsure
; LOCATION: (1)..(220)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-13359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2767, Application US/10264049
Publication No. US20040005579A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Aspergillus nidulans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
CORGANISM: Homo sapiens
US-10-264-049-2767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 134 AFFVLK 139
100 AFFVLK 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |||:||
92 AFFILK 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 AFFVLK 6
                                                                   RESULT 10
US-10-369-493-13359
```

ò 셤 Gaps

ô

US-10-369-493-2025

RESULT 12

ö

.. 0

ઠે 셤

```
us-10-437-963-192958
; Sequence 192958, Application US/10437963
; Seduence 192958, Application US/10437963
; Publication No. US20040123343A1
; Publication No. US20040123343A1
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Acou, Yihua
; APPLICANT: Zhou, Yihua
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Buckharov, Andrey A.
; APPLICANT: Li, Ping
; APPLICANT: Branch, Brad
; APPLICANT: Brad Brabazuk, Brad
; APPLICANT: Branch Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5321)B
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 192958
; LENGTH: 64
; LENGTH: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 222643, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
Cao Yongwei

TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
CURRENT APPLICATION WUMBER: US/10/424,599

CURRENT FILING DATE:
2003-04-28

NUMBER OF SEQ ID NOS: 285684

FAURTH OF 222643
                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                   Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                            Score 27; DB 16; Length 1331;
Pred. No. 2.4e+03;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 26; DB 16; Length 64;
Pred. No. 2.2e+02;
1; Mismatches 0; Indels
                                                                                                                                                      ; OTHER INFORMATION: Clone ID: PAT_MRT4530_91859C.1.pep
US-10-437-963-195961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_89141C.1.pep
US-10-437-963-192958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89.7%;
                                                                                                                                                                                                                               Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative 1
  NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 195961
LENGTH: 1331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                298 AFFVIK 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         38 AFFLLK 43
                                                                                                                                                                                                                                                                                                                                    1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-424-599-222643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 69
                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence (0703, Application US/10369493
; Sequence (0703, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Goldman, Barry S.
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT APPLICATION NUMBER: US 60/360,039
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 8703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 19561, Application US/10437963
Sequence 19561, Application US/10437963
Publication No. US2004012334341
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: La Roals, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Buckharov, Andrey A.
APPLICANT: Buckharov, Andrey A.
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ô
                                                                                                                                                                                                                                                                                                                            Query Match

96.6%; Score 28; DB 15; Length 5747;
Best Local Similarity 83.3%; Pred. No. 5.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 93.1%; Score 27; DB 15; Length 890; Best Local Similarity 83.3%; Pred. No. 1.6e+03; Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                      ; OTHER INFORMATION: HIV complete savine US-10-296-734-405
CURRENT FILING DATE: 2003-08-04
PRIOR PAPLICATION NUMBER: AU PQ7761/00
PRIOR FILING DATE: 2000-05-26
NUMBER OF SEQ ID NOS: 1507
SOFTWARE: Patentin version 3.2
SEQ ID NO 405
LENGTH: 5747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , ORGANISM: Ralstonia metallidurans
US-10-369-493-8703
                                                                                                                                                                                                                                                                                                                                                                                                                                                              |||:||
1031 AFFILK 1036
                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        778 AFFVMK 783
                                                                                                                                                                                                                                                                                                                                                                                                                               1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-437-963-195961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 15
US-10-369-493-8703
                                                                                                                                                                                                                               FEATURE:
```

ઠે 셤

```
APPLICANT: La Mora Thomas J
APPLICANT: La Mora Thomas J
APPLICANT: Experience Thomas J
APPLICANT: About thus
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT PILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 283039
LENGTH: 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
TITLE OF INVENTION: Identification of Curery Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURERY APPLICATION NUMBER: 10/10/282,122A
CURERY FILING DATE: 2003-02-20
                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6
                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 201;
                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Clone ID: PAT_MRT3847_97606C.1.pep
US-10-424-599-283039
83.3%; Pred. No. 4.6e+02;
cive 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

89.7%; Score 26; DB 15;
Best Local Similarity 83.3%; Pred. No. 6.6e+02;
Matches 5; Conservative 1; Mismatches 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 6223, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Obleen, Kari
                                                                                                                                                                                                                              Sequence 283039, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR PILING DATE: 2000-03-21
PRIOR PELING DATE: 2000-05-23
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR FILING DATE: 2000-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Carr, Grant
Yamamoto, Robert
Forsyth, R.
Xu, H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Zyskind, Judith
Wall, Daniel
Trawick, John
                        5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   136 AFFLLK 141
  Best Local Similarity
                                                                                                |||:||
19 AFFLLK 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AFFVLK 6
                                                                   1 AFFVLK 6
                                                                                                                                                                                                             US-10-424-599-283039
                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 162355, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Plante and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plante and Uses Thereof for Plant Improvement
FILE REFERENCE: 2003-04-28
UURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 162355
LENGTH: 139
                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 160046, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: La Rosa Thomas J
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; SUD NO 160048
; SEQ ID NO 160048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 78;
                                                                                                                                                                                         Length 69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 26; DB 15; Length 78
Pred. No. 2.7e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                       Score 26, DB 15; Length 69
Pred, No. 2.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_117625C.1.pep
US-10-424-599-162355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , OTHER INFORMATION: Clone ID: PAT_MRT3847_115542C.1.pep
US-10-424-599-160048
                          ; LOCATION: (1)..(69); OTHER INFORMATION: unsure at all Xaa locations; FEMTURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_43075C.1.pep.US-10-424-599-222643
                                                                                                                                                                                            89.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                       Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
|||:||
32 AFFLLK 37
                                                                                                                                                                                                                                                                                                                  ||||:|
62 AFFVVK 67
                                                                                                                                                                                                                                                                                   1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 20
US-10-424-599-162355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                   g
```

89.7%; Score 26; DB 15; Length 139;

Query Match

```
ઠે
                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REPERENCE: ELITRA.034

CURRENT APPLICATION NUMBER: US/10/282,122A

CURRENT APPLICATION NUMBER: US/20

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR PELING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR PILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-09-06

PRIOR PLING DATE: 2000-09-06

PRIOR PLING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/230,347

PRIOR PLING DATE: 2000-10-23

PRIOR PLING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/25,931

PRIOR PLING DATE: 2000-12-22

PRIOR PLING DATE: 2000-12-22

PRIOR PLING DATE: 2000-12-22

PRIOR PLING DATE: 2000-12-22

PRIOR PLING DATE: 2001-12-22

PRIOR PLING DATE: 2001-02-16

PRIOR PLING DATE: 2001-03-18

PRIOR PLING DATE: 2001-03-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR PILING DATE: 2000-11-27
PRIOR PRILING DATE: 2000-12-22
PRIOR PLING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
LENGTH: 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 89.7%; Score 26; DB 15; Length 428; Best Local Similarity 83.3%; Pred. No. 1.3e+03; Matches 5; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7213, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangeu
APPLICANT: Amalone, Cheryl
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Obleen, Kari
APPLICANT: Zyskind, Undith
APPLICANT: Tyskind, Undith
APPLICANT: Tyskind, Undith
APPLICANT: Trawick, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                      , ORGANISM: Moraxella catarrhalis US-10-282-122A-63253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin version 3.1
SEQ ID NO 72133
LENGTH: 544
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Carr, Grant
Yamamoto, Robert
Forsyth, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ||:|||
319 AFYVLK 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-282-122A-72133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
```

```
Sequence 137429, Application US/10437963
; Sequence 137429, Application US/10437963
; Publication No. US20040123343A1
; Fublication No. US20040123343A1
; Fublicant: La Rosa, Thomas J.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Yongwei
; APPLICANT: Cao, Yongwei
; APPLICANT: Barbazuk, Brad
; APPLICANT: Barbazuk, Brad
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5321)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; UNMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137429
; LENGTH: 687
                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Slater, Steven C.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROFEINS IN PLANTS FOR PRODUCTION OF
TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
GURRENT FILING DATE: 2003-02-28
PRIOR FILING DATE: 2003-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 17930
LENGTH: 636
                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                 Score 26; DB 15; Length 544;
Pred. No. 1.7e+03;
2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89.7%; Score 26; DB 15; Length 636;
83.3%; Pred. No. 1.9e+03;
iive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89.7%; Score 26; DB 16; Length 687;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_38914C.1.pep
US-10-437-963-137429
                                                                                                                                                                                                                                                                                                                      Sequence 17930, Application US/10369493; Publication No. US20030233675A1; GENERAL INFORMATION:
; ORGANISM: Streptococcus mutans US-10-282-122A-72133
                                                                   89.7%;
                                                                 Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
CORGANISM: SPHINGOMONAS
US-10-369-493-17930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Oryza sativa
                                                                                                                                                                                       |||::|
183 AFFIMK 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120 AFFVLR 125
                                                                                                                                                              1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AFFVLK 6
                                                                                                                                                                                                                                                                                                   US-10-369-493-17930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
US-10-437-963-172128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-242-515-1207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (3)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; LOCATION: (4); OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids US-09-764-891-3264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3264, Application US/09764891
| Publication No. US20030077808A1
| GENERAL INFORMATION:
| APPLICANT: BORNATION:
| TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
| TURENT APPLICANT: PC006
| CURRENT APPLICANTION NUMBER: US/09/764,891
| CURRENT FILING DATE: 2001-01-17
| Prior application data removed - consult PALM or file wrapper; NUMBER OF SEQ ID NOS: 10231
| SOFTWARE: Patentin Ver. 2.0
| SEQ ID NO 3264
| LENGTH: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       89.7%; Score 26; DB 13; Length 911; 83.3%; Pred. No. 2.7e+03; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      86.2%; Score 25; DB 10; Length 40; 100.0%; Pred. No. 2.4e+02; ive 0; Mismatches 0; Indels
                   Indels
83.3%; Pred. No. 2.1e+03;
ive 1; Mismatches 0;
                                                                                                                                                                                                                                                             TITLE OF INVENTION: Human DNA Ligase IV FILE REFERENCE: PT4/2P101
CURRENT APPLICATION NUMBER: US/10/141,132
CURRENT FILING DATE: 2002-05-09
PRIOR APPLICATION NUMBER: 08/461,562
PRIOR PILING DATE: 1995-06-05
PRIOR PILING DATE: 1995-06-05
PRIOR PILING DATE: 1995-06-05
PRIOR PILING DATE: 1995-06-05
PRIOR FILING DATE: 1995-06-05
SOFTWARE: PECHLING DATE: 1995-06-05
PRIOR FILING DATE: 1994-11-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PALENTIN VERSION 3.1
SEQ ID NO 2
LENGTH: 911
                                                                                                                                                                                                       ; Sequence 2, Application US/10141132; Publication No. US20020132331A1; GENERAL INFORMATION:
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
                                                                                   |||:||
576 AFFMLK 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:||||
129 AYFVLK 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 5; Conserv
                                                          1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FFVLK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: SITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 27
US-09-764-891-3264
                                                                                                                                                                 RESULT 26
US-10-141-132-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-141-132-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
```

```
APPLICANT: Boukharov, Andrey A.

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: I. Ping

TILLS OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TILLS OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(52221)B

CURRENT APPLICATION UNDERS: US/10/437,963

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 172128

TYPPE

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86.2%; Score 25; DB 16; Length 41; 100.0%; Pred. No. 2.4e+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 1207, Application US/10242515; Publication No. US20040009488A1; Eublication No. US20040009488A1; ENDITORNATION: APPLICANT: ROSEN et al.; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies; FILE REFERENCE: PC005C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Clone ID: PAT_MRT4530_70294C.1.pep
US-10-437-963-172128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 86.2%; Score 25; DB 9; 36.7%; Pred. No. 2.5e+02; iive 2; Mismatches 0
Sequence 172128, Application US/10437963 Publication No. US20040123343A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 66.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) ORGANISM: Homo sapiens
US-09-764-877-1207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :||:||
15 SFFILK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 FFVLK 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 FFVLK 6
```

```
Sequence 223277, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: Cao Vinua
APPLICANT: Cao Vinua
APPLICANT: Cao Vinua
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REPREBUCE: 38-21(53233)
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
                                                                                                       APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: Show Yihua
APPLICANT: Zhow Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION NUMBER: US/10/424,599
CURRENT APPLICATION NUMBER: US/10/424,599
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 209666
LENGTH: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5193, Application US/09764891
; Sequence 5193, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.;
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; PILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT APPLICATION NUMBER: US/09/764,891
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 25; DB 15; Length 51;
Pred. No. 3e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        86.2%; Score 25; DB 10; Length 57; 100.0%; Pred. No. 3.38+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Clone ID: PAT_MRT3847_31356C.1.pep
US-10-424-599-209666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Prec. ... 0; Mismatches
                                 Sequence 209666, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                86.2%; Scc.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-09-764-891-5193
                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     40 FFVLK 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16 FFVLK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 34
US-10-424-599-223207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 260161, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zou Yihua
APPLICANT: Cay Yongwei
TITLE OF INVENTION: Plante and Uses Thereof for Plant Improvement
FILE REPERENCE: 38-21 (5323) B
CURRENT APPLICATION NUMBER: US/10/424,599
UNMBER OF SEQ ID NOS: 285684
SEQ ID NO 260161
LENGTH: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 4031
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1207.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 25; DB 15; Length 44
Pred. No. 2.6e+02;
2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT3847_7694C.1.pep
US-10-424-599-260161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 25; DB 15;
Pred. No. 2.5e+02;
2; Mismatches 0;
CURRENT APPLICATION NUMBER: US/10/242,515
CURRENT FILING DATE: 2002-09-13
PRIOR PELLING DATE: 2002-09-13
PRIOR FILING DATE: 2001-01-17
PRIOR PELLING DATE: 2000-01-31
PRIOR PILING DATE: 2000-01-31
PRIOR PILING DATE: 2000-02-04
PRIOR PILING DATE: 2000-02-04
PRIOR PILING DATE: 2000-02-04
PRIOR PILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR PILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR PILING DATE: 2000-07-11
PRIOR PELLING DATE: 2000-07-14
PRIOR PILING DATE: 2000-07-16
PRIOR PILING DATE: 2000-07-17
PRIOR PILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR PILING DATE: 2000-07-11
PRIOR PILING DATE: 2000-07-11
PRIOR PILING DATE: 2000-07-11
PRIOR PILING DATE: 2000-07-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.7%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 66.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-242-515-1207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :||:||
SFFILK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :||:||
22 SFFILK 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 31
US-10-424-599-260161
```

ઠે 셤 ö

Gaps

RESULT 32

ઠે 쉽

ö

Gaps

```
FEATURE:
                                                                                                                                                                            ò
                                                                                                                                                                                                                    В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              원
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 53355, Application US/10425114

Sequence 53355, Application WS/10425114

Publication No. US20040034888A1

GENERAL INFORMATION:

APPLICANT: Enou, Jingdong

APPLICANT: Screen, Steven E

APPLICANT: Tabaska, Jack E

APPLICANT: Tabaska, Jack E

APPLICANT: Cao, Yongwei

ITILE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

ITILE OF INVENTION: Plants and Uses Thereof for Plant Improvement

ITILE OF INVENTION NUMBER: US/10/425,114

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 53355

LENGTH: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 53434, Application US/10425114

Sequence 53434, Application US/10425114

Publication No. U32004003488811

GENERAL INFORMATION:

APPLICANT: Liu, Jingdong

APPLICANT: Screen, Steven E

APPLICANT: Screen, Steven E

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Danick and Uses Thereof for Plant Improvement

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERRNCE: 38-21(53313) B

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 55434

LENGTH: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ..
                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                86.2%; Score 25; DB 15; Length 58; 100.0%; Pred. No. 3.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                  Length 57;
                                                                                                                                                                                           Query Match
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                               ; OTHER INFORMATION: Clone ID: PAT_MRT3847_43587C.1.pep
US-10-424-599-2233207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Clone ID: 700558803_FLI.pep
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 223207
LENGTH: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Glycine max
                                                                TYPE: PRT ORGANISM: Glycine max FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                           17 FFVĽK 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             38 FFVLK 42
                                                                                                                                                                                                                                                                                  2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-425-114-53355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-425-114-53355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 36
US-10-425-114-53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
```

```
Sequence 148568, Application US/10437963

j Sequence 148568, Application US/10437963

j Publication No. US20040123343A1

j Publication No. US20040123343A1

j GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.

APPLICANT: Zhou, Yihua

APPLICANT: Rovalic, David K.

APPLICANT: Boukharov, Andrey A.

APPLICANT: Boukharov, Brad

APPLICANT: All Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: 10/10/437,963

CURRENT FILING DATE: 2003-05-14

CURRENT FILING DATE: 2003-05-14

SEQ ID NO 148568

LENGTH: 58

LENGTH: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: La Royalic, David K.
APPLICANT: La Royalic, David K.
APPLICANT: Show, Yihua
APPLICANT: Show, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Wei
APPLICANT: Buchbarov, Andrey A.
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plante and Uses Thereof for Plant Improvement
TITLE OF INVENTION: 1043121)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT PILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 156769
                                                                                                                                                ö
                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          86.2%; Score 25; DB 16; Length 58; 100.0%; Pred. No. 3.4e+02; Pred. No. 3.4e+02; Attive 0; Mismatches 0; Indels
                                                                                       Length 58;
                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , OTHER INFORMATION: Clone ID: PAT_MRT4530_48987C.1.pep
US-10-437-963-148568
                                                                                    Query Match 86.2%; Score 25; DB 15; L
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0;
, OTHER INFORMATION: Clone ID: 700557013_FLI.pep
US-10-425-114-53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 156769, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 86.2
Best Local Similarity 100.
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 FFVLK 6
                                                                                                                                                                                                                                                                38 FFVLK 42
                                                                                                                                                                                                          2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 FFVLK 5
                                                                                                                                                                                                                                                                                                                                                                                US-10-437-963-148568
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-437-963-156769
```

```
Sequence 256442
Sequence 256442, Application US/10424599
Sequence 256442, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: A Royalic David K
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILLE REPERENCE: 321 (5323) B
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 256442
LENGTH: 77
                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Town Yihua
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REPERBNCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 206603
LENGTH: 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
    Gaps
    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            86.2%; Score 25; DB 15; Length 76; 100.0%; Pred. No. 4.38+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 86.2%; Score 25; DB 15; Length 77; Best Local Similarity 100.0%; Pred. No. 4.4e+02; Matches 5; Conservative 0; Mismatches 0; Indels
    IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_73591C.1.pep
US-10-424-599-256442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Clone ID: PAT_MRT3847_28590C.1.pep
US-10-424-599-206603
    .;
0
    2; Mismatches
                                                                                                                                                                           US-10-424-599-206603
; Sequence 206603, Application US/10424599
; Publication No. US20040031072A1
  4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Glycine max
                                                                     :||:||
39 SFFILK 44
                                            1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25 FFVLK 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 43
US-10-424-599-261939
    Matches
                                                ઠે
                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 118382, Application US/10437963
; Sequence 118382, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Vinua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Bunkharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: 10/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 118382
                                                                                                                                                                                                                                                                                 US-10-424-599-195770

Sequence 195770, Application US/10424599

Publication No. US20040031072A1

SEQUENCE 195770, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J

APPLICANT: Zhou Yihua

APPLICANT: Cao Yongwei

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: 38-21(53223)B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILNG DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 195770
                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 86.2%; Score 25; DB 15; Length 70; Best Local Similarity 100.0%; Pred. No. 4e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         86.2%; Score 25; DB 16; Length 70; 66.7%; Pred. No. 4e+02;
                                                                   Length 69;
                                                                                                               0; Indels
; OTHER INFORMATION: Clone ID: PAT_MRT4530_56405C.1.pep
US-10-437-963-156769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Clone ID: PAT_MRT3847_18806C.1.pep
US-10-424-599-195770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Clone ID: PAT_MRT4530_2169C.1.pep
                                                                86.2%; Score 25; DB 16;
100.0%; Pred. No. 4e+02;
tive 0; Mismatches 0
                                                            Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                              38 FFVLK 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |||||
59 FFVLK 63
                                                                                                                                                      2 PFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 40
US-10-437-963-118382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-437-963-118382
                                                                                                                                                      ò
                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
```

```
Sequence 195834, Application US/10424599
Publication No. UG20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Avoalic David K
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICANTION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 195834
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement FILE REPERENCE: 38-21 (3313) B CURRENT APPLICATION NUMBER: US/10/425,114 CURRENT FILING DATE: 2003-04-28 CURRENT FILING DATE: 2003-04-28 SEQ ID NOS: 73128 LENGTH: 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3814, Application US/10264049
; Bublication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PAI3391
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; FRIOR APPLICATION NUMBER: DCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR FILING DATE: 2001-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: Patentin Ver. 3.1
; SEQ ID NO 3814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 86.2%; Score 25; DB 15; Length 87; Best Local Similarity 66.7%; Pred. No. 4.9e+02; Matches 4; Conservative 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                          86.2%; Score 25; DB 15; Length 83; 100.0%; Pred. No. 4.7e+02;
                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Clone ID: 700889918_FLI.pep
US-10-425-114-39918
                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity luv...
5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
CORGANISM: Homo sapiens
US-10-264-049-3814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            53 AFYILK 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    68 FFVĽK 72
                                                                                                                                                                                                                                                                                                                                                                                                                                          2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-424-599-195834
                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1756.20, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: And APPLICANT:
APPLICANT: Coa Yunda
APPLICANT: Cao Yundei
APPLICANT: Cao Yundei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-15(3223)
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT PILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 175620
                                                                            APPLICANT: La Rosa Thomas J
APPLICANT: La Rovalic David K
APPLICANT: Avalic David K
APPLICANT: Aco Yilva
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REPERENCE: 38-21 (53223) B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEO ID NOS: 285684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             86.2%; Score 25; DB 15; Length 83; 100.0%; Pred. No. 4.7e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Clone ID: PAT_MRT3847_129602C.1.pep. US-10-424-599-175620
                                                                                                                                                                                                                                                                                                                                                                                                                    ) FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_78553C.1.pep
US-10-424-599-261939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 25; DB 15;
Pred. No. 4.6e+02;
2; Mismatches 0
         Sequence 261939, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39918, Application US/10425114
Publication No. US20040034888A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               86.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Zhou, Yihua
Kovalic, David K.
Screen, Steven E
Tabaska, Jack E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : | | : | |
41 SFFILK 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       68 FFVLK 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 FFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-424-599-175620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-425-114-39918
                                                                                                                                                                                                                                                                                                                      SEQ ID NO 261939
LENGTH: 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          유
```

```
Best Local Similarity 66.7
Matches 4; Conservative
                                                                     ò
                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                            US-10-424-599-234710
Sequence 234710, Application US/10424599
Sequence 234710, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION
APPLICANT: La Rosa Thomas J
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICANTON NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 234710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-424-599-258607

Sequence 258607, Application US/10424599

Publication No. US20040031072A1

Sequence 258607, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J

APPLICANT: Cao Yongwei

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21 (53223) B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 258607
                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                  Query Match 86.2%; Score 25; DB 15; Length 93; Best Local Similarity 100.0%; Pred. No. 5.2e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        86.2%; Score 25; DB 15; Length 98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_18864C.1.pep
US-10-424-599-195834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Clone ID: PAT_MRT3847_53971C.1.pep
US-10-424-599-234710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:

CTHER INFORMATION: Clone ID: PAT_MRT3847_75547C.1.pep

US-10-424-599-258607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 25; DB 15; I
; Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
NAME/KEY: unsure
LOCATION: (1)...(98)
OTHER INFORMATION: unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   86.2%; £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Glycine max
                                                                                                                                                                     2 FFVLK 6
|||||
7 FFVLK 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   71 FFVLK 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                        ò
                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
```

```
Sequence 26427, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: La Constant Constan
                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 86.2%; Score 25; DB 15; Length 101; Best Local Similarity 100.0%; Pred. No. 5.7e+02; Matches 5; Conservative 0; Mismatches 0; Indels
66.7%; Pred. No. 5.5e+02;
tive 2; Mismatches 0; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Clone ID: PAT_MRT3847_80636C.1.pep
US-10-424-599-264247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Search completed: March 9, 2005, 07:40:30 Job time : 51.3151 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT ORGANISM: Glycine max
                                                                                                                                                                                                                                                                    :||:||
48 SFFILK 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96 FFVLK 100
                                                                                                                                                                                                 1 AFFVLK 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 FFVLK 6
```

THIS PAGE BLANK (USPTO)

Wed Mar



\leq	2	
	X)	
`		

15	16	17	18	9
GenCore version 5.1.6	Copyright (c) 1993 - 2005 Compugen Ltd.			protein - protein search mains as model

procein search, using sw model OM protein

Run on:

US-10-009-122-3 29

Title: Perfect score:

1 KLVFFA 6 Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

1391452 seqs, 329044822 residues Searched:

1391452 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65 summaries

Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

STIMMADIES

					SUMMAKIES		
		фP					
Result		Query	Query				
No.	Score	Match	Length	DB	ID	Description	
	29	100.0	9	6	US-09-867-847-7	Sequence 7. Appli	
7	29	100.0	9	σ	US-09-867-847-20	Sequence 20, Appl	
m	29	100.0	9	σ	US-09-972-475-9	Sequence 9, Appli	
4	29	100.0	9	σ	US-09-915-092-10	Sequence 10, Appl	
S	29	100.0	9	6	US-09-915-092-28	Sequence 28, Appl	
9	29	100.0	9	σ	US-09-956-625-25	Sequence 25, Appl	
7	29	100.0	9	70	US-09-747-408-3	Sequence 3, Appli	
60	29	100.0	9	70	US-09-747-408-11	Sequence 11, Appl	
o	29	100.0	9	15	US-10-463-729-9	Sequence 9, Appli	
10	29	100.0	7	σ	US-09-867-847-12	Sequence 12, Appl	
11	29	100.0	7	6	US-09-867-847-27	Sequence 27, Appl	
12	29	100.0	7	σ	US-09-867-847-28	Sequence 28, Appl	
13	29	100.0	7	σ	US-09-972-475-7	Sequence 7, Appli	

Sequence 2, Appli	equence 18	Sequence 2	equence 16	ce 16	Sequence 7	Seguence 44, Appi Seguence 5, Appli	Sequence 1	Sequence 5, Appli	4	Sequence 4	6 6	equence 2,	יי טיפ	equence 3	equence 2	equence 28	equence 5	Sequence 1:	equence 29,	֓֞֝֟֓֓֓֓֓֟֝֓֓֓֓֟֝֓֓֓֟֓֓֓֓֓֟֓֓֓֓֟֓֓֓֟֓֓֓֟	ý c	Sequence 21, Appl	i	Ä	ď	equence 25	equence 1	9 33	equenc	Seguence 13, Appr	Sequence 1,	equence 5,	equence 5,	Sequence 5	14	equence 9,	ednence 2	ednence 2	9	ednence e	quence 6	ednence e	quence 6	sednence r	quence 3,	equence 3,
-09-915-092-2	S-09-915-092-1	US-09-747-408-	US-09-747-408-	US-09-747-408-1	US-10-463-729-7	75-	US-10-235-483	US-10-463-729	US-10-281-092-43	US-10-721-77	-09-867-847-	US-09-899-815-	US-U9-/4/-60-50	US-10-619-454-3	US-10-619-454-2	US-10-619-454-	US-10-619-454-5	US-10-619-454-	9-867-847-2	US-09-915-092-19	110-10-823-463-2	US-10-623-463	US-10-823-463-2	US-10-823-463-2	9-988-842-9	19-988-842-2	US-10-235-483-1	US-10-050-200-3	US-10-237-673	11S-10-464~11/-1	US-10-281-458	-09-992-800-	US-09-992-994-5	US-10-385-065-	09-972-	08-09-996-357-9	US-10-235-483-5	US-10-235-483-5	US-10-235-483-5	US-10-235-483-6	US-10-235-4	US-10-235-483-6	US-10-235-483-6	1-67/-698-01-80	000	5-09-992-994-
თ თ	'n	. 2		10		ש פ			16		σ,					15			σ (11			6	σ			16		14	6		12	σ,				14	14	14		4. 1		<i>y</i> c	ע
,,	7	7	7	7	۲.	D 00	- ω	80	80	∞ ⋅	σ,	o c	nσ	י ס	0	6	σ.	ָּס יָ	10	9 6	2 6	2 5	101	101	11	11	# 1	;	Ξ:	12	13	14	14	14	15	12	15	15	15	15	15	Υ .	ל ב	ר ד	1:	7
100.0		8	80.	90	98	50		80	00	8	9	98	38		00	00	0	00	99	98	9 8				00	00	00	00	90	96		00.	90	8	00	9	8	00	90	9	900	9 6	9 6	96	9 6	9
29																																														
14 7.	16	17	18	19	50	7.7	23.	24	25	56	27	. 28	, c) H	32	33	34	35	36	7.00	0 0	0 4 V C	. 4.	4 2	43	44	45	46	74	4. 4 to 0	200	51	52	23	54	55	26	57	88	59	0 0	61	7 0	5	4 1	O O

ALIGNMENTS

Patent No. US20020094335A1
GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Hebert, Lise
APPLICANT: Hebert, Lise
APPLICANT: Gervals, Francine
TITLE OF INVENTION: AND ANYLOID RELATED DISEASES
TITLE OF INVENTION: US/09/867,847
CURRENT APPLICATION NUMBER: US/09/867,847
CURRENT FILING DATE: 1999-11-29
PRIOR FILING DATE: 1999-11-29 US-09-867-847-7

```
US-09-972-475-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Hebert, Lise
APPLICANT: Hebert, Lise
APPLICANT: Kong, Xianqi
APPLICANT: Kong, Xianqi
APPLICANT: Gervais, Francine
TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
TITLE OF INVENTION: VACOING
TITLE OF INVENTION: AND ANTIOID RELATED DISEASES
FILE REFERENCE: 1444-501 CIP
CURRENT APPLICATION NUMBER: US/09/867,847
CURRENT FILING DATE: 1999-11-29
PRIOR PLING DATE: 1999-11-29
PRIOR PLING DATE: 1999-11-28
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 20
TENNETH OF SECOIN VER: 2.1
                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                ) OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-09-867-847-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence: All D peptides OTHER INFORMATION: or peptidomimetics
LOCATION: (6)
LOCATION: (6)
                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9, Application US/09972475
Patent No. US2002009173A1
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                            Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                       100.0%; Score 29; DB 9; I
100.0%; Pred. No. 1.3e+06;
:ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 9; I
100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
PRIOR APPLICATION NUMBER: 09/724,842
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PATENTIN VEr. 2.1
SEQ ID NO 7
LENGTH: 6
TYPE: PRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/09867847
Patent No. US2002094335A1
GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: AMIDATION
US-09-867-847-20
                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-867-847-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 3
US-09-972-475-9
                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   원
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                           COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPPY disk
COMPUTER: ISP POC COMPALIALE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/972,475
FILING DATE: 04-Oct-2001
PRIOR APPLICATION NUMBER: US/N 08/575
FILING DATE: 07-UNKNOWN:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNKNOWN:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNKNOWN:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 27-OCT-1995
ATTORNEY AGENT INFORMATION:
NAME: ANDOCOTE: ASIA10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FUBLICATION NO. USZUUZUIIS/1/A1|
| GENERAL INFORMATION: | APPLICANT: | Gervais, Francine |
| APPLICANT: | CATALIFOUR. | Robert |
| APPLICANT: | CATALIFOUR. | Robert |
| APPLICANT: | CATALIFOUR. | Robert |
| APPLICANT: | CATALIFOUR | ROBERT |
| APPLICANT: | Migneault, David |
| TITLE OF INVENTION: | USES THEREOF |
| TITLE OF INVENTION: | USES THEREOF |
| FILE REPRENCE: | USES THEREOF |
| FILE REPRENCE: | USES THEREOF |
| FILE REPRENCE: | 2001-07-24 |
| PRIOR APPLICATION NUMBER: | 60/220, 808 |
| PRIOR PILING DATE: | 2000-07-25 |
| SOFTWARE: | FASESEQ for Windows Version 4.0 |
| SEQ-1D-NO.10 |
| CLENGTH: 6 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 9; 1
100.0%; Pred. No. 1.3e+06;
ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
100.0%; Score 29; DB 9; 1
Best Local Similarity 100.0%; Pred. No. 1.3e+06;
Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Decont, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 10, Application US/09915092 Publication No. US20020115717A1
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
```

```
Query Match
Best Local Similarity 100...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                   ; SEG_ID'NO'S

; ULENGTH: 6;

; TYPE: PR

; ORGANIEM: Homo sapiens

US-09-747-408-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-747-408-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-463-729-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                             SEQ_ID-NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Framer, Paul
TITLE OF INVENTION: Inhibitors of IAPP Fibril Formation and Uses Thereof
TITLE OF INVENTION: Inhibitors of IAPP Fibril Formation and Uses Thereof
FILE REFERENCE: 14445-503
CURRENT APPLICATION NUMBER: US/09/956,625
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/233,482
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin Ver. 2.1
SSEQ ID NO 25
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                          APPLICANT: Kong, Xiandi
APPLICANT: Chalifour, Robert
APPLICANT: Chalifour, Robert
APPLICANT: Migneault, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: NBI-139
CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT FILING DATE: 2001-07-24
PRIOR FILIATION NUMBER: 60/220,808
PRIOR FILIATION NUMBER: 60/220,808
PRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SGCTHARE: FastSEQ for Windows Version 4.0
SEQ ID NO 28
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 29; DB 9; Length 6; 100.0%; Pred. No. 1.3e+06; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 29; DB 9; Length 6; Best Local Similarity 100.0%; Pred. No. 1.3e+06; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial COTHER INFORMATION: Sequence: Antifibrillogenic agents US-09-956-625-25
                                                                                                                                           Sequence 28, Application US/09915092
Publication No. US20020115717A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 25, Application US/09956625 Patent No. US20020119926A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: VARIANT
LOCATION: (1)...(6)
COTHER INFORMATION: D-amino acids
US-09-915-092-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                             APPLICANT: Gervais, Francine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ||||||
1 KLVFFA 6
                                                                                                                          US-09-915-092-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-956-625-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                     g
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-747-408-11

Sequence 11, Application US/09747408

Publication No. US20030003141A1

GENERAL INFORMATION:

APPLICANT: Geren, Allan M.

TITLE OF INVENTION: Compounds And Methods For Modulating

TITLE OF INVENTION: Cerebral Amyloid Angiopathy

FILE REFERENCE: NBI-088

CURRENT APPLICATION NUMBER: US/09/747,408

CURRENT FAPLICATION NUMBER: 60/171,877

PRIOR APPLICATION NUMBER: 60/171,877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 6;
Sequence 3, Application US/09747408
| Publication No. US2030003141A1
| GENERAL INFORMATION:
| APPLICANT: Green, Allan M.
| APPLICANT: Gervais, Francine
| TITLE OF INVENTION: Cerebral Amyloid Angiopathy
| FILE REFERENCE: NBI-088
| CURRENT APPLICATION NUMBER: US/09/747,408
| CURRENT FILING DATE: 2000-12-22
| PRIOR APPLICATION NUMBER: 66/171,877
| PRIOR FILING DATE: 1008|
| WUMBER OF SEQ ID NOS: 24
| NUMBER OF SEQ ID NOS: 24
| NUMBER OF SEQ ID NOS: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 9, Application US/10463729
Publication No. US20040005307A1
GENERAL INFORMATION:
FINGLES OF SEQUENCES:
APPLICANT:
FINGLES OF SEQUENCES:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
```

Gaps ö

```
RESULT 12
US-09-867-847-28
is Sequence 28, Application US/09867847
is Fatent No. US20020004335A1
is GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Kong, Xianqi
is APPLICANT: Kong, Xianqi
is APPLICANT: Rong, Xianqi
is APPLICANT: Rong, Xianqi
is APPLICANT: APPLICANT: OF INVENTION:
ITILE OF INVENTION: VACCINE FOR THE PREVENTION AND AMYLDID RELATED DISEASES
ITILE OF INVENTION: AND AMYLDID RELATED DISEASES
ITILE OF INVENTION NUMBER: US/09/867,847
CURRENT PAPLICATION NUMBER: 00/108,594
PRIOR APPLICATION NUMBER: 00/724,842
PRIOR APPLICATION NUMBER: 09/724,842
PRIOR PILING DATE: 2000-11-28
is RIOR FILING DATE: 2000-11-28
is SOFTWARE: Patentin Ver. 2.1
is SEQ ID NO 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              patent No. US2002094335A1

Patent No. US2002094335A1

Patent No. US2002094335A1

GENERAL INFORMATION:

APPLICANT: Chalifour, Robert

APPLICANT: Robert, Lise

APPLICANT: Robert, Lise

APPLICANT: Gervais, Francine

TITLE OF INVENTION: AND AMYLOID RELATED DISEASES

TITLE OF INVENTION: AND AMYLOID RELATED DISEASES

TITLE OF INVENTION: AND AMYLOID RELATED DISEASES

FILE REFERENCE: 14445-501 CIP

CURRENT APPLICATION NUMBER: 60/168,594

PRIOR FILING DATE: 2000-11-29

PRIOR APPLICATION NUMBER: 09/724,842

PRIOR FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 65

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 27
                              ; OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-09-867-847-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: All D peptides
OTHER INFORMATION: or peptidomimetics
US-09-867-847-27
                                                                                                                                                      100.0%; Score 29; DB 9; Length 7; 100.0%; Pred. No. 1.3e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 9; Length 7; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                               Query Match
Best Local Similarity 100.º
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                            1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-867-847-27
   FEATURE:
                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 10
US-09-867-847-12
Sequence 12, Application US/09867847
Fatent No. US2002004335A1
GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Hebert, Lise
APPLICANT: Gervais, Francine
TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
TITLE OF INVENTION: AND AMYLOID RELATED DISEASES
FILE REFERENCE: 14445-501 CIP
CURRENT APPLICATION NUMBER: US/09/867,847
CURRENT FILING DATE: 2001-09-20
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 12
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                COUNTRY: USA

ZIP: 02109-1475

COMPUTER READABLE FORM:
MUDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/463,729
FILING DATE: 17-JUNE-203
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR-1996
PRIOR APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
FILING DATE: 14-MAR-1995
FILING DATE: 14-MAR-1995
FILING DATE: 17-JUN-1995
FILING DATE: 17-CT-1995
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 15;
100.0%; Pred. No. 1.3e+06;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
                                                               Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-463-729-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
```

ö

Gaps

. 0

```
APPLICANT: Kong, Xiangi
APPLICANT: Chalifour, Robert
APPLICANT: Chalifour, Robert
APPLICANT: Migneault, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: NBI-139
CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT PILLING DATE: 2001-07-24
PRIOR APPLICATION NUMBER: 60/220,808
PRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FASESEQ FOR WINDOWS Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17, Application US/09915092
Publication No. US20020115717A1
GENERAL INFORMATION:
APPLICANT: Gervais, Francine
APPLICANT: Chalifour, Robert
APPLICANT: Migneault, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: NBI-139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 9; I
100.0%; Pred. No. 1.3e+06;
ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT FILING DATE: 2001-07-24
PRIOR APPLICATION NUMBER: 60/220,808
PRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 29; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 18, Application US/09915092; Publication No. US20020115717A1
                                                              Sequence 2, Application US/09915092
Publication No. US20020115717A1
GENERAL INFORMATION:
APPLICANT: Gervais, Francine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity luv.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
US-09-915-092-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT; ORGANISM: Homo sapiens
US-09-915-092-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-915-092-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-915-092-17
                                             US-09-915-092-2
                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                         ö
TYPE: PRT
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: All D peptides
OTHER INFORMATION: or peptidomimetics
NAME/KRY: MOD RES
LOCATION: (7)
LOCATION: (7)
OTHER INFORMATION: AMIDATION
US-09-867-847-28
                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIF: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LOCOMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/972,475
FILING DATE: 04-Oct-2001
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICAVE: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Score 29; DB 9; Length 7; Best Local Similarity 100.0%; Pred. No. 1.3e+06; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                Length 7;
                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                              ; Score 29; DB 9; I
; Pred. No. 1.3e+06;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/617,267
FILING DATE: «Unknown>
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UN-1995
FILING DATE: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7, Application US/09972475
Patent No. US20020098173A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 7
                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-972-475-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-972-475-7
                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                       g
```

Gaps

ö

0; Indels

Length 7;

ö

Gaps

ö

Length 7;

```
Query Match
Best Local Similarity 100.
                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-19
                                                                            TYPE: PRT
CORGANISM: Homo sapiens
US-09-747-408-18
                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                   1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                             1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA
                                                                                                                                                                                                                                                                                                                                RESULT 19
US-09-747-408-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 20
US-10-463-729-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGIH:
                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                       엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/09747408

Publication No. US20030003141A1
GENERAL INFORMATION:
APPLICANT: Green, Allan M.
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: US/09/747,408
CURRENT APPLICATION NUMBER: US/09/747,408
CURRENT FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/171,877
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PASSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18, Application US/09747408
| Publication No. US20030003141A1 |
| GENERAL INFORMATION: |
| APPLICANT: Green, Allan M. |
| APPLICANT: Gervais, Francine |
| TITLE OF INVENTION: Compounds And Methods For Modulating |
| TITLE OF INVENTION: Cerebral Amyloid Angiopathy |
| FILE REFERENCE: US/09/747,408 |
| CURRENT FILING DATE: 2000-12-22 |
| PRIOR APPLICATION NUMBER: 60/171,877 |
| PRIOR FILING DATE: 1999-12-23 |
                APPLICANT: Kong, Xianqi
APPLICANT: Chalifour, Robert
APPLICANT: Chalifour, Robert
APPLICANT: Migneault, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: NBI-139
CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT FILING DATE: 2001-07-24
PRIOR PILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SEQ ID NOS: 28
SEQ ID NOS: 28
SEQ ID NOS: 28
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 7;
                                                                                                                                                                                                                                                                                                                                                                          Length 7;
                                                                                                                                                                                                                                                                                                                                                                      Query Match
100.0%; Score 29; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.3e+06;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
APPLICANT: Gervais, Francine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                         TYPE: PRT
CORGANISM: Homo sapiens
US-09-915-092-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 18
US-09-747-408-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-747-408-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-747-408-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
```

```
ö
                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                               Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Green, Allan M.
APPLICANT: Gervais, Francine
TITLE OF INVENTION: Compounds And Methods For Modulating;
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
TITLE OF INVENTION: Cerebral Amyloid Angiopathy
FILE REFERENCE: NBI-088
CURRENT PELLING DATE: 2000-12-22
CURRENT FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7, Application US/10463729
Publication No. US20040005307A1
GENERAL INFORMATION
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/463,729
FILING DATE: 17-JUNE-2003
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
                                                                                                                                                                                   100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                0; Mismatches
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 19, Application US/09747408; Publication No. US20030003141A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
```

```
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 44, Application US/09850061A

Fatent No. US20020094957A1

GENERAL INFORMATION:

APPLICANT: NORDSTEDT, Christer

APPLICANT: NASLUND, Jan

APPLICANT: THYBERG, Johan

APPLICANT: THYBERG, Johan

APPLICANT: TERRINGS, Lars O.

APPLICANT: TOWENNON: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA

FILE REFERENCE: 033315-002

CURRENT FILING DATE: 1098-06-10

FRIOR APPLICATION NUMBER: US 09/095,106

FRIOR PELING DATE: 1996-12-09

FRIOR PELING DATE: 1996-12-09

FRIOR FILING DATE: 1995-12-29

FRIOR PELING DATE: 1995-12-29

FRIOR APPLICATION NUMBER: SE 9604467-3

FRIOR PELING DATE: 1995-12-29

FRIOR APPLICATION NUMBER: US 60/009,386

FRIOR APPLICATION NUMBER: US 60/009,386

FRIOR APPLICATION NUMBER: US 60/009,486

FRIOR APPLICATION NUMBER: US 60/009,486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 29; DB 15; Length 7; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 29; DB 9; Length 8; Best Local Similarity 100.0%; Pred. No. 1.3e+06; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
FILING DATE: 14-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 14-MAR-1995
FILING DATE: 14-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 07-UN-1995
FILING DATE: 27-COT-1995
ATTORNEY APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-COT-1995
ATTORNEY AGENT INFORMATION:
NAME: DECORT, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: 9PI-002CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-7400
TELEFAX: (617)227-7400
SEQUENCE CHARACTERISTICS:
LENGTH: 7 Amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , MOLECULE TYPE: peptide US-10-463-729-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Amyloidosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-850-061A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-850-061A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

||||||| KLVFFA 6

셤

```
COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASE ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIFDEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
RESULT 22
US-09-972-475-5
; Sequence 5, Application US/09972475
; Patent No. US20020098173A1
; GENERAL INFORMATION:
; PAPLICANT: Findeis, Mark A. et al.
; TITLE OF INVENTION: Modulators of Amyloid Aggregation
; VORRESPONDENCE ADDRESS:
; ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
0
                                                                                                                                                                         100.0%; Score 29; DB 9; Length 8; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR TR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: PPI-002CP2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOSY: Linear MOLECTLE TYPE: peptide ; SEQUENCE DESCRIPTION: SEQ ID NO: 5: US-09-972-475-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 23
US-10-235-483-1
; Sequence 1, Application US/10235483
; Publication No. US20030087407A1
; GENERAL INFORMATION:
; APPLICANT: SOTO-JARA, Claudio
BAUMANN, MAIC
BAUMANN, MAIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 KLVFFA 8
```

```
APPLICANT: Hools Ling
APPLICANT: Hools Ling
APPLICANT: Hools Ling
APPLICANT: Hools Ling
APPLICANT: Loy, Jeffrey A.
APPLICANT: Loy, Jeffrey A.
APPLICANT: Loy, Jeffrey A.
APPLICANT: Devasumadrum, Thippeswamy
TITLE OF INVENTION: COMPOUNDS WHICH INHIBIT BETA-SECRETASE
TITLE OF INVENTION: CATIVITY AND METHODS OF USE THEREOF
FILE REFERENCE: 2932.1001-004
CURRENT APPLICATION NUMBER: US/10/23,818
PRIOR APPLICATION NUMBER: PCT US/10/23,818
PRIOR FILING DATE: 2001-12-28
PRIOR FILING DATE: 2001-12-28
PRIOR APPLICATION NUMBER: PCT US/10/5026
PRIOR FILING DATE: 2001-12-28
PRIOR APPLICATION NUMBER: US 60/256,705
PRIOR APPLICATION NUMBER: US 60/275,756
PRIOR PELING DATE: 2001-01-10-23
PRIOR PELING DATE: 2001-10-23
PRIOR PELING DATE: 2001-10-23
PRIOR PELING DATE: 2001-11-27
PRIOR PELING DATE: 2001-11-27
PRIOR PELING DATE: 2002-01-14
PRIOR APPLICATION NUMBER: US 60/348,615
PRIOR APPLICATION NUMBER: US 60/348,615
PRIOR APPLICATION NUMBER: US 60/348,615
PRIOR APPLICATION NUMBER: US 60/346,557
PRIOR PILING DATE: 2002-01-14
PRIOR APPLICATION NUMBER: US 60/390,804
PRIOR PILING DATE: 2002-01-14
      USSN 08/475,579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 42, Application US/10281092
Publication No. US20040121947A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ghosh, Arun K.
APPLICANT: Tang, Jordan J.N.
APPLICANT: Bileer, Geoffrey
APPLICANT: Chang, Wanpin
APPLICANT: Hong, Lin
                                                                                                                                                                                                                                                                                                                               TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: peptide
      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-463-729-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                              COMPUTER KEALABLE FORPY

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OMPERATING SYSTEM: PC-DOS/MS-DOS

OPERATING SYSTEM: PC-DOS/MS-DOS

CORFWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/235,483

FILING DATE: 06-Sep-2002

CLASSIFICATION NUMBER: US/08/766,596

FILING DATE: 10-AFR-1996

APPLICATION NUMBER: US 08/630,645

FILING DATE: 10-AFR-1996

APPLICATION NUMBER: US 08/478,326

FILING DATE: 06-JUN-1995

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 37,971

REGISTRATION NUMBER: 37,971

TELEROMENICATION INFORMATION:

TELEBRAX: 202-628-5297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CUUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/463,729
FILING DATE: 14-MAR.1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR.1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/617,267C
FILING DATE: 14-MAR.1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 14-MAR.1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 29; DB 14; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY: linear; ; MOLECULE TYPE: peptide; ; SEQUENCE DESCRIPTION: SEQ ID NO: I: US-10-235-483-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
ZIP: 20004
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KĽVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 29; DB 15; Length 8; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
PRIOR DATE: 07-UNA-1995
PRIOR DATE: 07-UNA-1995
PRIOR APPLICATION DATA: 08548,998
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION: NAME: DECORT, Giulio A. REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 29; 100.0%; Pred. No.
```

6

Gaps

ò

```
Sequence 2, Application US/09899815
; Patent No. US20020162129A1
; GENERAL INFORMATION:
    APPLICANT: LANNFELT; Lars
; TITLE OF INVENTION:
    FILE REFERENCE: LANNFELT=1A
; CURRENT FAPLICATION NUMBER: US/09/899,815
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/217,098
; PRIOR APPLICATION NUMBER: EP 00202387.7
; PRIOR APPLICATION NUMBER: EP 00202387.7
; RIGHG DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 2:
; SEQ ID NO 2:
; LENGTH: 9
                                                                                                                                                                    ) OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-09-867-847-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Bynthetic peptide (16-24 of SEQ ID NO:1)
US-09-899-815-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-747-408-20

| Sequence 20, Application US/09747408 |
| Sequence 20, Application US/09747408 |
| Publication No. US20030003141A1 |
| GENERAL INFORMATION: |
| APPLICANT: Green, Allan M. |
| APPLICANT: Gervais, Francin A. |
| TITLE OF INVENTION: Compounds And Methods For Modulating TITLE OF INVENTION: Cerebral Amyloid Angiopathy FILE REFRENCE: NBI-088 |
| CURRENT APPLICATION NUMBER: US/09/747,408 |
| CURRENT FILING DATE: 2000-12-22 |
| PRIOR APPLICATION NUMBER: 60/171,877 |
| PRIOR FILING DATE: 1999-12-23 |
| NUMBER OF SEQ ID NOS: 24 |
| SOFFWARE: FREESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                     100.0%; Score 29; DB 9; Length 9; 100.0%; Pred, No. 1.3e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 29; DB 9; Length 9; 100.0%; Pred. No. 1.3e+06; tive 0; Mismatches 0; Indels
                                                                                              TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                       SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 9 LENGTH: 9
                                                                                                                                                                                                                                                                     Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-899-815-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 20
LENGTH: 9
                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9, Application US/09867847

Patent No. US20020094335A1

GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Hebert, Lise
APPLICANT: Rong, Kiangi
APPLICANT: Gervais, Francine
APPLICANT: Gervais, Francine
TITLE OF INVENTION: AND AMYLOID RELATED DISEASES
FILE REPERENCE: 14445-501 CP
CURRENT APPLICATION NUMBER: US/09/867,847

CURRENT FILING DATE: 2001-09-20
FRIOR APPLICATION NUMBER: 60/168,594
PRIOR FILING DATE: 1999-11-29
PRIOR FILING DATE: 2000-11-28

FRIOR APPLICATION NUMBER: 09/724,842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: NORDSTEDT,
APPLICANT: NORDSTEDT,
APPLICANT: NORDSTEDT,
APPLICANT: THYBERG, Jan
APPLICANT: THYBERG, Johan
APPLICANT: THYBERG, Lars O.
APPLICANT: TERRNIUS, Lars
TILLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
TILLE OF INVENTION: PEPTIDE BINDING THE KLVFF-SEQUENCE OF AMYLOID-BETA
TILLE REFERENCE: 03315-02
CURRENT APPLICATION NUMBER: US/10/721,774
CURRENT FILING DATE: 1908-06-10
PRIOR FILING DATE: 1998-06-10
PRIOR PLING DATE: 1996-12-09
PRIOR PLING DATE: 1995-12-12
PRIOR PLING DATE: 1995-12-22
PRIOR PLING DATE: 1995-12-22
PRIOR FILING DATE: 1995-12-22
PRIOR FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 44
SSOFTHARE: PATENTIN VET. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 8;
                                                                                                                                                                      Length 8;
                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 16;
100.0%; Pred. No. 1.3e+06;
iive 0; Mismatches 0;
                                                                                                                                                               Query Match 100.0%; Score 29; DB 16; Best Local Similarity 100.0%; Pred. No. 1.3e+06; Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                           US-10-721-774-44
; Sequence 44, Application US/10721774
; Publication No. US20040157781A1
; GENERAL INFORMATION:
               TYPE: PRT ORGANISM: Artificial Sequence PETURE: PEATURE: COTHER INFORMATION: peptide US-10-281-092-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Amyloidosis
US-10-721-774-44
                                                                                                                                                                                                                                                                   1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ||||||
| KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-867-847-9
                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
```

ö

Gaps

```
APPLICANT: Mindest
APPLICANT: Mindest
APPLICANT: Mindest
APPLICANT: Fitzer Attas, Cheryl
APPLICANT: Chain, Daniel
TITLE OF INVENTION: PEPTIDES AND METHODS FOR SCREENING IMMUNOGENIC PEPTIDE VACCINES A
TITLE OF INVENTION: PAINT APPLICATION NUMBER: US/10/619,454
CURRENT APPLICATION NUMBER: US/10/619,454
PRIOR APPLICATION NUMBER: US 60/396,245
REACH APPLICATION NUMBER: US 60/396,245
NUMBER OF SEQ ID NOS: 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-619-454-25

i Sequence 25, Application US/10619454

i Sequence 25, Application US/10619454

i Publication No. US2004009195A1

i Publication No. US2004009195A1

i APPLICANT: Mindset

i APPLICANT: Fitzer Attas, Cheryl

APPLICANT: Chain, Daniel

i TITLE OF INVENTION: PEPTIDES AND METHODS FOR SCREENING IMMUNOGENIC PEPTIDE VACCINES AN TITLE OF INVENTION: AD IN WHICH T-CELL EPITOPES ARE REDUCED

I TITLE OF INVENTION: AD IN WHICH T-CELL EPITOPES ARE REDUCED

I TITLE OF INVENTION: AD IN WHICH T-CELL EPITOPES ARE REDUCED

CURRENT APPLICATION NUMBER: US 60/396,245

PRIOR APPLICATION NUMBER: US 60/396,245

PRIOR PELING DATE: 2002-07-17

SOFTWARE: Patentin version 3.1

SEQ ID NO 25

LENGTH: 9

LENGTH: 9

LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 29; DB 15; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 29; DB 15; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: algorithm generated US-10-619-454-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: algorithm generated US-10-619-454-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-619-454-28
; Sequence 28, Application US/10619454
; Publication No. US2004001945A1
; GENERAL INFORMATION:
                                          Sequence 3, Application US/10619454
Publication No. US20040091945A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: artificial sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn version 3.1 SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                         JS-10-619-454-3
                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                원
                                                                                                                                                                                                                                                                                          Sequence 64, Application US/10235483
Publication No. US20030087407A1
GENERAL INFORMATION
APPLICANT: SOTO-JARA, Claudio
BAUMANN, Marc
BAUMANN, Marc
FRANGIONE, BLAS
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                         .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/235,483
FILING DATE: 06-Sep-2002
CLASSIFICATION: vinknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/766,596
FILING DATE: 10-APR-1996
FILING DATE: 10-APR-1996
ATPLICATION NUMBER: US 08/478,326
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
RECALSTRATION NUMBER: 37,971
REPERENCE/COMPUTER: SOTO-UARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity 100.0%; Score 29; DB 14; Length 9; Similarity 100.0%; Pred. No. 1.3e+06;. 6; Conservative 0; Mismatches 0; Indels
                                          Length 9;
                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESSE:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
                                            100.0%; Score 29; DB 10; 100.0%; Pred. No. 1.3e+06;
                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 64:
US-10-235-483-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Washington
                                          Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ||||||
KLVFFA 7
                                                                                                                                      1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KLVFFA 6
                                                                                                                                                                           4 KLVFFA 9
                                                                                                                                                                                                                                                                          US-10-235-483-64
US-09-747-408-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
```

```
Sequence 29, Application US/09867847

Sequence 29, Application US/09867847

Sequence 29, Application US/09867847

Sequence 29, Application US/09867847

General Inversaria Fabricant

APPLICANT: Chalifour, Robert

APPLICANT: Robert, Lise

APPLICANT: Rong, Xiangi

TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S

TITLE OF INVENTION: AND AMYLOID RELATED DISEASES

FRICKRENT FILING DATE: 2001-09-20

PRIOR APPLICATION NUMBER: 09/724,842

PRIOR APPLICATION NUMBER: 09/724,842

PRIOR FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 65

SOFTWARE: PATENTIN VEY: 2.1

SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: All D peptides; OTHER INFORMATION: or peptidomimetics
US-09-867-847-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 29; DB 9; Length 10; Best Local Similarity 100.0%; Pred. No. 7.4; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 29; DB 15;
100.0%; Pred. No. 1.3e+06;
tive 0; Mismatches 0;
                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/619,454
CURRENT FILING DATE: 2003-07-16
PRIOR APPLICATION NUMBER: US 60/396,245
PRIOR FILING DATE: 2002-07-17
NUMBER OF SEQ ID NOS: 187
SOFTWARE: Patentin version 3.1
SEQ ID NO 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: algorithm generated US-10-619-454-157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                               FILE REFERENCE: P-5202-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-867-847-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
...ruidBet
...ruidBet
...ruidBet
...ruidBet
...ruidBet
...ruidANT: Chain, Daniel
...ruidBet
...ruidANT: Chain, Daniel
...ruidANT: Chain, Daniel
...ruidANT: Chain, Daniel
...ruidE RepERENCE: P-2202-US
...ruidE OF INVENTION: AD IN WHICH T-CELL EPITOPES ARE REDUCED
...ruidE REPERENCE: P-2202-US
...ruidAnton NUMBER: US/10/619,454
...ruidENT PILING DATE: 2003-07-16
...ruidER PRIOR APPLICATION NUMBER: US 60/396,245
...ruidENGTH: 9
...ruidBet

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 57, Application US/10619454

Publication No. US20040091945A1

Sequence 57, Application US/20040091945A1

SEDICANT: Mindset

APPLICANT: Mindset

APPLICANT: Fitzer Attas, Cheryl

APPLICANT: Chain, Daniel

TITLE OF INVENTION: PEPTIDES AND METHODS FOR SCREENING IMMUNOGENIC PEPTIDE VACCINES PILLE OF INVENTION: PEPTIDES AND METHODS FOR SCREENING IMMUNOGENIC PEPTIDE VACCINES CURRENT PILLING DATE: 2003-07-16

FILLS REPERENCE: P-5202-US

CURRENT FILLING DATE: 2003-07-16

FRIOR PEPLICATION NUMBER: US 60/396,245

PRIOR FILLING DATE: 2002-07-17

NUMBER OF SEQ ID NOS: 187

SOFUTANT SEQ ID NOS: 187

LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Fitzer Attas, Cheryl
APPLICANT: Chain, Daniel
TITLE OF INVENTION: PEPTIDES AND METHODS FOR SCREENING IMMUNOGENIC PEPTIDE VACCINES
TITLE OF INVENTION: AD IN WHIGH T-CELL EPITOPES ARE REDUCED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 15; Length 9; 100.0%; Pred. No. 1.3e+06; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 29; DB 15; 100.0%; Pred. No. 1.3e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
; OTHER INFORMATION: algorithm generated US-10-619-454-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: algorithm generated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 35
US-10-619-454-157
US-10-619-454-157
Sequence 157, Application US/10619454
Publication No. US2040091945A1
GENERAL INFORMATION:
APPLICANT: Mindset
APPLICANT: Mindset
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 6; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KLVPFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-619-454-57
```

ઠે 셤 임

ઠે

```
TYPE: PRT
ORCANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , OTHER INFORM US-10-823-463-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Pa
SEQ ID NO 22
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Schenk, Dale B.
APPLICANT: Schenk, Dale B.
APPLICANT: Sard, Frederique
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Vasquez, Nicki
APPLICANT: Yachock, Tack
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFRENCE: 122700-004750UC
CURRENT APPLICATION NUMBER: US/09/580,015
PRIOR FILING DATE: 1099-05-28
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-04-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 29; DB 17; Length 10; 100.0%; Pred. No. 7.4;
                                                                                                                                                                                                                                                                                                                                                                             Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 29; DB 9;
100.0%; Pred. No. 7.4;
iive 0; Mismatches 0;
FILE REFERENCE: NBI-139
CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT FILING DATE: 2001-07-24
FRIOR APPLICATION NUMBER: 60/220,808
FRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 19
EBNGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20, Application US/10823463 Publication No. US20050019328A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21, Application US/10823463 Publication No. US20050019328A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 KLVFFA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 KLVFFA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 38
US-10-823-463-20
                                                                                                                                                                                                                                                                                                                        US-09-915-092-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-823-463-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-823-463-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
```

```
US-09-988-842-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-823-463-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23, Application US/10823463
Sequence 23, Application US/10823463
Publication No. US20050019328A1
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Vacquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REPERBNCE: 152704-004750UC
CURRENT FILING DATE: 2004-04-14
DELICAL AND TANKER TOWN WARENERS TOWN WAS AND WARENE WAS AND WARENERS TOWN WAS AND W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24, Application US/10823463
Sequence 24, Application US/10823463
Publication No. US20050019328A1
GENERAL INFORMATION:
APPLICANT: Schenk, Dale B.
APPLICANT: Bard, Frederique
APPLICANT: Vesquez, Nicki
APPLICANT: Yednock, Ted
TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Disease
FILE REFERENCE: 12570J-004750UC
CURRENT APPLICATION NUMBER: US/10/823,463
CURRENT FILING DATE: 2004-04-14
OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                               h Similarity 100.0%; Score 29; DB 17; Length 10; Similarity 100.0%; Pred. No. 7.4; 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 29; DB 17; Length 10; Best Local Similarity 100.0%; Pred. No. 7.4; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/580,015
PRIOR APPLICATION NUMBER: US/09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/322,289
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR APPLICATION NUMBER: WS 09/201,430
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-1-30
PRIOR FILING DATE: 1998-04-07
PRIOR FILING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PALENTIN VET: 2.1
SEQ ID NO 23
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ||||||
KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                             1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 KLVPFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-823-463-24
                                                                                                                                   US-10-823-463-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-823-463-23
                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    용
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:10-mer peptide OTHER INFORMATION: from AN1792 sequence (human Abeta42, beta-amyloid OTHER INFORMATION: peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 9, Application US/09988842
; Sequence 9, Application US/09988842
; Patent No. US20020143105A1
; GENERAL INFORMATION:
; APPLICANT: Johansson, Jan
; TITLE OF INVENTION: DISCORDANT HELIX STABILIZATION FOR PREVENTION
; TITLE OF INVENTION: OF AMYLOID FORMATION
; FILE REPERBNCE: 12125-00201
; CURRENT FILING DATE: 2001-11-19
; PRIOR PILING DATE: 2000-11-06
; PRIOR PILING DATE: 2000-11-06
; PRIOR PILING DATE: 2000-11-20
; WINGHER OF SEQ ID NOS: 26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 29; DB 9; Length 11; 100.0%; Pred. No. 8.1; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Synthetically generated peptide US-09-988-842-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 29; DB 17; 100.0%; Pred. No. 7.4;
PRIOR APPLICATION NUMBER: US/09/580,015
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/32,289
PRIOR APPLICATION NUMBER: US 09/201,430
PRIOR FILING DATE: 1998-11-30
PRIOR FILING DATE: 1998-10-07
PRIOR SED IN NUMBER: US 60/067,740
PRIOR SED IN NUMBER: US 60/067,740
PRIOR PELLING DATE: 1997-12-02
NUMBER OF SEO ID NOS: 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 25, Application US/0998842; Patent No. US20020143105A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Johansson, Jan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KLVFFA 6
```

```
ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 33, Application US/10050200
| Sequence 33, Application US/20030166037A1
| GENERAL INFORMATION:
| APPLICANT: Fourie, Fawn
| APPLICANT: Coles, Fawn
| APPLICANT: Karlsson, Lars
| TILLE OF INVENTION: Aggrecanase-1 and -2 Peptide Substrates and Methods
| FILE OF INVENTION: Aggrecanase-1 and -2 Peptide Substrates and Methods
| FILE OF INVENTION: Aggrecanase-1 and -2 Peptide Substrates and Methods
| CURRENT PILLING DATE: 2002-01-16
| NUMBER OF SEQ ID MOSE: 60
| SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20, Application US/10237673
Publication No. US20040121398A1
GENERAL INFORMATION:
APPLICANT: FULITSU LIMITED
APPLICANT: DAIICHI PHARMACEUTICAL CO., LTD.
APPLICANT: DAIICHI PHARMACEUTICAL CO., LTD.
TITLE OF INVENTION: Method for predicting protein-protein interactions
FILE REPERENCE: GP01-1001PCT
CURRENT APPLICATION NUMBER: US/10/237,673
CURRENT FILING DATE: 2002-09-10
PRIOR PILING DATE: 2000-03-10
                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                  ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                      100.0%; Score 29; DB 14; Length 11; 100.0%; Pred. No. 8.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 11;
                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 29; DB 14; 100.0%; Pred. No. 8.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 29; DB 100.0%; Pred. No. 8.1 ative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                  0; Mismatches
                                                                         TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: peptide substrate US-10-050-200-33
                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: artificial sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity الاست
الاستخداد وفي Conservative في Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 21;
SEQ ID NO 20;
EBNGTH: 11;
TYPE: PRT
CREATING HOMO SADIENS
US-10-237-673-20
                                                                                                                                                                                                         Sest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 KLVFFA 11
                                                                                                                                                                                                                                                                              1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                       2 KLVFFA
                                                                                                                               i
US-10-235-483-14
                                                                                                                                                                                                                                                                                                                                                                                        RESULT 46
US-10-050-200-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-237-673-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 33
LENGTH: 11
                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 14, Application US/10235483
Sequence 14, Application US/2035483
Publication No. US20030087407A1
GENERAL INFORMATION:
GENERAL INFORMATION:
BAUMANN, Marc
ERANGIONE, JABS
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIK
DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
; TITLE OF INVENTION: DISCORDANT HELIX STABILIZATION FOR PREVENTION
; FILE REFERENCE: 12125-002001
; CURRENT APPLICATION NUMBER: US/09/988,842
; CURRENT APPLICATION NUMBER: US/09/988,842
; PRIOR APPLICATION NUMBER: US 60/251,662
; PRIOR APPLICATION NUMBER: US 60/253,695
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 29; DB 9; Length 11; 100.0%; Pred. No. 8.1; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/235,483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Synthetically generated peptide US-09-988-842-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: .37,971
REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/766,596
FILING DATE: -UNKNOWN>
APPLICATION NUMBER: US 08/630,645
FILING DATE: 10-APR-1996
FILING DATE: 10-APR-1996
PILING DATE: 06-UUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 06-Sep-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 KLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-235-483-14
                                                                                                                                                                                                                                                                                                                                               FEATURE:
```

ò g

```
Query Match
100.0%; Score 29; DB 9
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Search completed: March 9, 2005, 07:40:27 Job time : 50.3151 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                              7 KLVFFA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 KLVFFA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-281-458-1
                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                      Sequence 13, Application US/10464117

Sublication No. US2005014193A1

Sublication No. US2005014193A1

Sublication No. US2005014193A1

Sublication No. US2005014193A1

Subblication No. US2005014193A1

APPLICANT: Batain Technologies, Inc.

APPLICANT: Sharma, Shubh D.

APPLICANT: Sharma, Shubh D.

TITLE OF INVENTION: Identification of Target-Specific Folding Sites in Peptides and TITLE OF INVENTION: DATE: 20075

CURRENT APPLICATION NUMBER: US/10/464,117

FRIOR PILING DATE: 2000-12-19

PRIOR FILING DATE: 2000-12-19

PRIOR PILING DATE: 2000-12-19

PRIOR PLING DATE: 2001-12-19

PRIOR PLING DATE: 2001-12-19

PRIOR PLING DATE: 2001-12-19

PRIOR PLING DATE: 2001-12-19

PRIOR PLING DATE: 2001-12-13

PRIOR PLING DATE: 2001-12-13

PRIOR PLING DATE: 2001-10-04

NUMBER OF SEQ ID NOS: 171

SEQ ID NO 13

LENGTH: 11

LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/09867847

| Sequence 8, Application US/09867847
| Patent No. US20020094335A1
| GENERAL INFORMATION:
| APPLICANT: Chalifour, Robert
| APPLICANT: Chalifour, Robert
| APPLICANT: Gervais, Francine
| APPLICANT: Gervais, Francine
| TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
| TITLE OF INVENTION: AND AMYLOID RELATED DISEASES
| FILE REFERENCE: 14445-501 CIP
| CURRENT APPLICATION NUMBER: US/09/067,847
| CURRENT APPLICATION NUMBER: US/09/067,847
| PRIOR APPLICATION NUMBER: US/124,842
| PRIOR FILING DATE: 2000-11-28
| WINDER OF SEC ID NOS: 65
| SOFTWARE: PatentIn Ver: 2.1
| SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: All D peptides
US-09-867-847-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match 100.0%; Score 29; DB 17; Length 11; Best Local Similarity 100.0%; Pred. No. 8.1; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
; OTHER INFORMATION: Amyloid beta-protein related peptide
US-10-464-117-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 KLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KLVFFA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-867-847-8
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

```
Gaps
                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 29; DB 14; Length 13; Best Local Similarity 100.0%; Pred. No. 9.5; Matches 6; Conservative 0; Mismatches 0; Indels
DB 9; Length 12;
                                                       0; Indels
                                                                                                                                                                                                                                                               JGS-10-201-30-

Sequence 1, Application US/10281458

; Publication No. US20030108978A1

; GENERAL INFORMATION:

; APPLICANT: Ciabbons, Ian

; TITLE OF INVENTION: Whole Cell Assay Systems for Cell

; TITLE OF INVENTION: Whole Cell Assay Systems for Cell

; TITLE OF INVENTION: WHORE: US.

; CURRENT APPLICATION NUMBER: US.

; CURRENT FILING DATE: 2002-10-25

; PRIOR PILING DATE: 2001-10-25

; PRIOR FILING DATE: 2001-10-25

; PRIOR FILING DATE: 2001-10-25

; RICHARD DATE: 2001-08-08

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE FRANCES FOR Windows Version 4.0
```

THIS PAGE BLANK (USPTO)

Description

В

Length

	-		0.00
OM protein - protein search, using sw model	7 72	0 K)	100.0
Run on: March 9, 2005, 06:11:37; Search time 261.397 Seconds (without alignments) 31.278 Million cell updates/sec	W 44 RJ AO		00000
Title: US-10-009-122-2 Perfect score: 34 Sequence: 1 KKLVFFA 7	7 8 9 10	W W W W 4 4 4 4	0.000
Scoring table: BLOSUM62 Gapext 0.5	11 12 11	3 3 4 3 1 4	91.2
Searched: 6959266 segs, 1168006243 residues	14 15	31	91.2
Total number of hits satisfying chosen parameters: 6959266	17	31	91.2
Minimum DB seq length: 0 Maximum DB seq length: 2000000000	100	3137	91.2
Post-processing: Minimum Match 0% Maximum Match 100% Listing first 65 summaries	22 23 24 24	1 # # # # # # # # #	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Pending Patente AA Main:* 11 (Cgn72 6/ptodata1/paa/U806 COMB.pep:* 22 (Cgn72 6/ptodata1/paa/U806 COMB.pep:* 41 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 52 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 53 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 54 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 55 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 56 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 57 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 58 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 59 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 51 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 52 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 53 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 54 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 55 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 56 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 57 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 58 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 59 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 50 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 51 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 52 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 53 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 54 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 55 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 56 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 57 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 58 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 59 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 50 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 51 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 52 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 53 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 54 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 55 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 56 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 57 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 58 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 59 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 50 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 51 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 52 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 53 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 54 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 55 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 56 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 57 (Cgn72 6/ptodata1/paa/U808 COMB.pep:* 58	00000000000000000000000000000000000000		0.

Sequence 10, Appl Sequence 11, Appl Sequence 12, Appl Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 23062, A Sequence 23062, A Sequence 23063, A Sequence 24034, A Sequence 25063, A Sequence 25063, A Sequence 27, Appli Sequence 22, Appli S

US-09-724-842A-10
US-09-724-842A-10
US-09-724-842A-10
US-09-867-847A-12
US-09-867-847A-12
US-09-915-092-2
US-10-009-1122-2
US-10-009-1122-2
US-10-009-1122-2
US-10-009-1122-2
US-10-009-1122-2
US-10-009-1122-2
US-10-10235-483-64
US-00-733-089-23064
US-00-733-089-23064
US-09-816-660-23064
US-09-816-660-23064
US-09-816-660-23064
US-09-733-089-23064
US-09-733-089-23064
US-09-733-089-23066
US-08-548-998A-6
US-08-548-9

112 140 140 158 1658 1658 181 181 181 199 1764 1764 1764 1764

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ALIGNMENTS

```
RESULT 4
US-09-867-847A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          В
    Sequence 10. Application US/09724842

GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Hebbert, Lise
APPLICANT: Gervais, Francine
TITLE OF INVENTION: AND AMYLOID RELATED DISEASES
TITLE OF INVENTION: AND AMYLOID RELATED DISEASES
TITLE OF INVENTION UNBER: US/09/724,842
CURRENT APPLICATION NUMBER: G0/168,594
PRIOR PILING DATE: 1999-11-29
NUMBER OF SEQ ID NOS: 63
SOFTWARE: PALENTIN VET. 2.1
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 10, Application US/09724842A

Sequence 10, Application US/09724842A

Sequence 10, Application US/09724842A

Sequence 10, Application

APPLICANT: Chalifcour, Robert

APPLICANT: Hebert, Lise

APPLICANT: Kong, Xiand;

APPLICANT: Gervais, Francine

TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S

TITLE OF INVENTION: AND AMYLOID RELATED DISEASES

FILE REFERENCE: 14445-501

CURRENT FILING DATE: 2000-11-28

PRIOR PLICATION NUMBER: 60168,594

PRIOR FILING DATE: 1999-11-29

NUMBER OF SEQ ID NOS: 63

SOFTWARE: Patentin Ver: 2.1

LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     °
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: All D peptides; OTHER INFORMATION: or peptidomimetics
US-09-724-842-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-09-724-842A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

100.0%; Score 34; DB 21; Length 7;
Best Local Similarity 100.0%; Pred. No. 6.4e+06;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 34; DB 21; Length 7; 100.0%; Pred. No. 6.4e+06; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA 7
-09-724-842-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          유
```

RESULT 3 US-09-867-847-12

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                               THE PREVENTION AND TREATMENT OF ALZHEIMER'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-09-867-847-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 12, Application US/09867847A

Sequence 12, Application US/09867847A

GENERAL INFORMATION:

APPLICANT: Chalifour, Robert

APPLICANT: Chalifour, Robert

APPLICANT: Kong, Xiand;

TITLE OF INVENTION: Vaccine for the Prevention and Treatment

TITLE OF INVENTION: of Alianier's and Amyloid Related Diseases

FILE REFERENCE: 50291/005001

CURRENT PLING DATE: 20091-05-29

PRIOR FILING DATE: 2000-11-5-29

PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 1999-11-29

NUMBER OF SEQ ID NOS: 65

SOFTWARE: FastsEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Synthetic, All D peptides or peptidomimetics US-09-867-847A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 34; DB 23; Length 7; Best Local Similarity 100.0%; Pred. No. 6.4e+06; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 34; DB 23; Length 7; 100.0%; Pred. No. 6.4e+06; ative 0; Mismatches 0; Indels
                                                                                    APPLICANT: Chalifour Robert
APPLICANT: Chalifour Lise
APPLICANT: Hebert, Lise
APPLICANT: Hebert, Lise
APPLICANT: Gervais, Francine
TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TR
TITLE OF INVENTION: VACCINE FOR THE PREVENTION AND TR
TITLE OF INVENTION: AND—FANTOID RELATED DISEASES
TITLE OF INVENTION: AND—FANTOID RELATED DISEASES
FILE REFERENCE: 1445-501 CIP
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: 00/168,594
PRIOR APPLICATION NUMBER: 09/724,842
PRIOR PLING DATE: 1999-11-29
PRIOR PLING DATE: 1999-11-29
PRIOR PLING DATE: 2000-11-28
SEQ TWARE PACED IN VOS: 65
SOFTWARE: PACED IN VOS: 65
SO
Application US/09867847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 5
US-09-915-092-2
```

```
US-10-825-958-10
Sequence 10, Application US/10825958
Sequence 10, Application US/10825958
GENERAL INFORMATION:
APPLICANT: Chalifour, Robert
APPLICANT: Chalifour, King, Xiangi
APPLICANT: Repert, Lise
ITILE OF INVENTION: VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
TITLE OF INVENTION: AND AMYLOID RELATED DISEASES
FILE REPRENSICE: SO291/004002
CURRENT APPLICATION NUMBER: US/10/825,958
CURRENT PILING DATE: 2004-04-16
                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                           Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: CHALFOUR, Robert
APPLICANT: CHALFOUR, Robert
APPLICANT: CHALFOUR, Robert
APPLICANT: MIGNEAULT, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
TITLE OF INVENTION: USES THEREOF
FILE REPERBACE: NBI-1130CP
CURRENT APPLICATION NUMBER: US/10/728,028
CURRENT FILING DATE: 2003-12-03
PRIOR APPLICATION NUMBER: 60/441291
PRIOR APPLICATION NUMBER: 60/41291
PRIOR APPLICATION NUMBER: 60/20808
PRIOR PLING DATE: 2001-07-24
PRIOR PLING DATE: 2001-07-24
PRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Fastere for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7;
                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IndelB
                                                                                                                                                                                                                                   ; OTHER INFORMATION: Homologous Sequence of SEQ ID NO:1
US-10-030-137A-5
                                                                                                                                                                                                                                                                                                      100.0%; Score 34; DB 26;
100.0%; Pred. No. 6.4e+06;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 34; DB 33;
ilarity 100.0%; Pred. No. 6.4e+06;
Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Synthetic Construct US-10-728-028-2
       CURRENT FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: GB 9917724.8
PRIOR FILING DATE: 1999-07-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/10728028)
GENERAL INFORMATION:
APPLICANT: GERVAIS, Erancine
APPLICANT: KONG, Xianqi
                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 10v.v
                                                                       NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
I.RNGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 8
US-10-728-028-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: peptide having antifibrillogenic activity and/or OTHER INFORMATION: neuroprotection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                   APPLICANT: Kong, Xiandi
APPLICANT: Chalifour, Robert
APPLICANT: Chalifour, Robert
APPLICANT: Migneault, David
TITLE OF INVENTION: AMYLOID TARGETING IMAGING AGENTS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: NBI-139
CURRENT APPLICATION NUMBER: US/09/915,092
CURRENT FILING DATE: 2001-07-24
PRIOR FILING DATE: 2000-07-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FARISEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
100.0%; Score 34; DB 26; Length 7;
Best Local Similarity 100.0%; Pred. No. 6.4e+06;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: CHALFOUR, Robert
APPLICANT: GERVAIS, Francine
APPLICANT: GURTA, Ajay
TITLE OF INVENTION: STEREOSELECTIVE ANTIFIBRILLOGENIC
TITLE OF INVENTION: STEREOSELECTIVE ANTIFIBRILLOGENIC
TITLE OF INVENTION: PEPTIDES AND PEPTIDOMIMETICS THEREOF
FILE REFERENCE: 14228-1PCT
CURRENT APPLICATION NUMBER: US/10/009,122
PRIOR APPLICATION NUMBER: US/60/132,592
PRIOR FILING DATE: 1999-05-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 34; DB 24; Best Local Similarity 100.0%; Pred. No. 6.4e+06; Matches 7; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: STOTT, KELVIN
TITLE OF INVENTION: BEPTIES
FILE REFERENCE: PG7518US0
CURRENT APPLICATION NUMBER: US/10/030,137A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 24
SCPTWARE: FaetSEQ for Windows Version 3.0
SEQ ID NO 2
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 5, Application US/10030137A GENERAL INFORMATION:
Sequence 2, Application US/09915092 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application US/10009122
GENERAL INFORMATION:
APPLICANT: NEUROCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence FEATURE:
                                                  APPLICANT: Gervais, Francine
                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
CORGANISM: Homo sapiens
US-09-915-092-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 7
US-10-030-137A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-009-122-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-009-122-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
APPLICANT: Dotson, Stanton B.
APPLICANT: Dotson, Stanton B.
APPLICANT: Dotson, Stanton B.
APPLICANT: Liu, Jinddong
APPLICANT: Liu, Jinddong
APPLICANT: Lutifyya, Linda L.
APPLICANT: McIninch, James
APPLICANT: Way, Wei,
TITLE OF INVENTION: Transcription In Plants
FILE REFERENCE: 32-21(15300)D
CURRENT APPLICATION NUMBER: US 09/474,435
PRIOR APPLICATION NUMBER: US 09/624,617
PRIOR PLING DATE: 1999-12-28
PRIOR PLING DATE: 2000-09-05
PRIOR PLING DATE: 2000-07-19
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 24143
SEQ ID NO 9030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; FEATURE:
; OTHER INFORMATION: BBB-permeant peptide sequence with ability to bind AB
US-60-603-403-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                              Gaps
                                                                                                                              ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 34; DB 37; Length 10; 100.0%; Pred. No. 19; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                               Sequence 1. Application US/60603403
GENERAL INFORMATION:
APPLICANT: Washington University St. Louis
APPLICANT: Washington University St. Louis
TITLE OF INVENTION: Blood Brain Barrier Permeation Peptides
FILE REPERENCE: 60005161-0006
CURRENT APPLICATION NUMBER: US/60/603,403
CURRENT FILING DATE: 2004-08-20
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin version 3.2
SEQ ID NO 1
                                                                                Length 9;
                                                                                                                              Indels
                                                                                Score 34; DB 28;
Pred. No. 6.4e+06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LOCATION: (1)..(112)
; OTHER INFORMATION: unsure at all Xaa locations US-09-733-089-9030
; SEQUENCE DESCRIPTION: SEQ ID NO: 64: US-10-235-483-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 9030, Application US/09733089 GENERAL INFORMATION:
                                                                                                                              .;
0
                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%;
                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                               1 KKLVFFA 7
                                                                                                                                                                               1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-733-089-9030
                                                                                                                                                                                                                                                                                                                        US-60-603-403-1
                                                                                                                                                                                  à
                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: SOTO-JARA, Claudio
APPLICANT: SOTO-JARA, Claudio
BAURANN, Marc
ERANGIONE, Blas
TITLE OF INVENTION: PEPTIDES AND PHARMACEUTICAL
COMPOSITIONS THEREOF FOR TREATMENT OF DISORDERS OR DISEASES
ASSOCIATED WITH PROTEIN FOLDING INTO AMYLOID OR AMYLOID-LIK
DEPOSITS
                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                         ) OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-10-825-958-10
                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER LOSA

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IN PC compatible

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/235,483

FILING DATE: 06-Sep-2002

FILING DATE: 06-Sep-2002

FILING DATE: CUNKNOWN-

APPLICATION NUMBER: US 08/65,596

FILING DATE: 10-APR-1996

ATTORNAY APPLICATION NUMBER: US 08/630,645

FILING DATE: 10-APR-1996

ATTORNAY APPLICATION NUMBER: US 08/478,326

FILING DATE: 06-JUN-1995

ATTORNAY APPLICATION NUMBER: US 08/478,326

FILING DATE: 06-JUN-1995

ATTORNAY APPLICATION NUMBER: 37,971

REGISTRATION NUMBER: 37,971
                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 400
                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 34; DB 34; 100.0%; Pred. No. 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: SOTO-JARA=1A
                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
            PRIOR APPLICATION NUMBER: 09/724,842
PRIOR FILING DATE: 2000-11-28
PRIOR FILING DATE: 1999-11-29
NUMBER OF SEQ ID NOS: 63
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 64, Application US/10235483 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 anino acids
                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -10-235-483-64
                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
```

```
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
FILE REPREENCE: 38-21 (13300)D
CURRENT APPLICATION NUMBER: US/09/816,660
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 09/474,435
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR APPLICATION NUMBER: US 09/733,089
PRIOR APPLICATION NUMBER: US 09/733,089
PRIOR APPLICATION NUMBER: )
US 09/684,016
PRIOR APPLICATION NUMBER: )
PRIOR APPLICATION NUMBER: US 09/620,392
NUMBER: OF SEQ ID NOS: 24143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Wu, Wei
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
FILE REFERENCE: 38-21(15300)D
CURRENT APPLICATION NUMBER: US/09/733,089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91.2%; Score 31; DB 23; Length 140; 85.7%; Pred. No. 7.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indela
                                                                                                                                                                                                                                                                                                                                                              Score 31; DB 21;
Pred. No. 7.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 23062, Application US/09816660

GENERAL INFORMATION:

APPLICANT: Dotson, Stanton B.

APPLICANT: Kovalic, David K.

APPLICANT: Liu, Jingdong

APPLICANT: Lutfiyya, Linda L.

APPLICANT: McIninch, James
                                 PRIOR APPLICATION NUMBER: US 09/620,392
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 24143
SEQ ID NO 23062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23064, Application US/09733089
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Notable, David K.
APPLICANT: Kovalic, David K.
APPLICANT: Lutfiyya, Linda L.
APPLICANT: Morninch, James
                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Oryza sativa
US-09-733-089-23062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Oryza sativa
US-09-816-660-23062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ||:||||
95 KKVVFFA 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||:||||
95 KKVVFFA 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best_Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KKLVFFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 16
US-09-733-089-23064
                                                                                                                                                                                        LENGTH: 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:

APPLICANT: Dotson, Stanton B.
APPLICANT: Evolaic, David K.
APPLICANT: Liu, Jingdong
APPLICANT: Liu, Jingdong
APPLICANT: Liu, Jingdong
APPLICANT: Liu, Jinda L.
APPLICANT: Liu, Jinda L.
APPLICANT: Liu, Jinda L.
APPLICANT: Wu, Wei
TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
TITLE OF INVENTION: NUMBER: US/09/816,660
CURRENT APPLICATION NUMBER: US 09/474,435
PRIOR FILING DATE: 2001-03-26
PRIOR FILING DATE: 2000-12-18
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 2000-10-10
PRIOR FILING DATE: 2000-10-10
PRIOR FILING DATE: 2000-10-10
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 24143
SEQ ID NO 9330
MUMBER OF SEQ ID NOS: 24143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 23062, Application US/09733089
GENERAL INFORMATION:
Sequence 23062, Application US/09733089
GENERAL INFORMATION:
APPLICANT: Dividence Sequence Sequ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                              91.2%; Score 31; DB 21; Length 112;
85.7%; Pred. No. 6.4e+02;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  91.2%; Score 31; DB 23; Length 112;
85.7%; Pred. No. 6.4e+02;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: unsure

: LOCATION: (1)..(112)

: OTHER INFORMATION: unsure at all Xaa locations

US-09-816-660-9030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/474,435 PRIOR FILING DATE: 1999-12-28 PRIOR APPLICATION NUMBER: US 09/654,617 PRIOR FILING DATE: 2000-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9030, Application US/09816660 GENERAL INFORMATION:
Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                         20 KKVVFFA 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 KKVVFFA 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
```

```
APPLICANT: MULLIAND, James
APPLICANT: MCINICh, James
APPLICANT: Wo, Wei
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
FILE REFERENCE: 38-21(15300)D
CURRENT APPLICATION NUMBER: US/09/816,660
CURRENT FILING DATE: 2001-03-26
PRIOR PLING DATE: 1999-12-28
PRIOR PLICATION NUMBER: US 09/474,435
PRIOR FILING DATE: 2000-09-05
PRIOR PLILOGATION NUMBER: US 09/554,617
PRIOR FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: US 09/733,089
PRIOR PLILOGATION NUMBER: US 09/733,089
PRIOR PLILOGATION NUMBER: US 09/620,392
PRIOR FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 09/620,392
PRIOR APPLICATION NUMBER: US 09/620,392
PRIOR APPLICATION NUMBER: S000-07-19
                         TITLE OF INVENTION: Wu, Well
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
FILE REPERNCE: 38-21(15300)D
CURRENT APPLICATION NUMBER: US/09/733,089
CURRENT FILING DATE: 2000-12-1
PRIOR APPLICATION NUMBER: US 09/474,435
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR PILING DATE: 1000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 24143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 91.2%; Score 31; DB 23; Length 165; Best Local Similarity 85.7%; Pred. No. 9.1e+02; Matches 6; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              91.2%; Score 31; DB 21; Length 165;
85.7%; Pred. No. 9.1e+02;
cive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(165)
CTHER INFORMATION: unsure at all Xaa locations
US-09-816-660-23060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: unsure
LOCATION: (1)..(165)
OTHER INFORMATION: unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23060, Application US/09816660
GENERAL INFORMATION:
APPLICANT: Dotson, Stanton B.
APPLICANT: Kovalic, David K.
APPLICANT: Liu, Jingdong
APPLICANT: Lutfiyya, Linda L.
APPLICANT: MININGONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ||:||||
| 120 KKVVFFA 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 19
US-09-816-660-23060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-733-089-23060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23064, Application US/09816660

Sequence 23064, Application US/09816660

GENERAL INFORMATION:
APPLICANT: Dotson, Stanton B.
APPLICANT: Luti, Jingdong
APPLICANT: Lutiiv, Jingdong
APPLICANT: Lutiiv, Jingdong
APPLICANT: Lutiiv, Jingdong
APPLICANT: McIninch, James
APPLICANT: Wa McIninch, James
APPLICANT: Wa McIninch, James
APPLICANT: Wein Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
FILE REFERENCE: 38-21(15300)D
CURRENT APPLICATION NUMBER: US/09/816,660
CURRENT APPLICATION NUMBER: US 09/474,435
PRIOR APPLICATION NUMBER: US 09/474,435
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 2000-10-10
PRIOR PLING DAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 31; DB 23; Length 158;
Pred. No. 8.7e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 31; DB 21;
Pred. No. 8.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
CURRENT FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: US 09/474,435
PRIOR FILING DATE: 1999-12-28
PRIOR FILING DATE: 1999-12-28
PRIOR FILING DATE: 2000-09-05
PRIOR FILING DATE: 2000-09-05
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 24143
SEQ ID NO 23364
LENGTH: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23060, Application US/09733089 GENERAL INFORMATION:
APPLICANT: Doctson, Stanton B.
APPLICANT: Kovalic, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Liu, Jingdong
Lutfiyya, Linda L.
McIninch, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Oryza sativa
US-09-733-089-23064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Oryza sativa
US-09-816-660-23064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ||:||||
113 KKVVFFA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                113 KKVVFFA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-733-089-23060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

```
Sequence 23065, Application US/09733089
; Sequence 23065, Application US/09733089
; GENERAL INFORMATION:
    APPLICANT: Dotson, Stanton B.
    APPLICANT: Liu, Jingdong
    APPLICANT: Luteflyya, Linda L.
    APPLICANT: Luteflyya, Linda L.
    APPLICANT: McIninch, James
    CURRENT APPLICATION NUMBER: US 09/474,435
    PRIOR FILING DATE: 2000-12-11
    PRIOR FILING DATE: 2000-09-05
    PRIOR FILING DATE: 2000-09-05
    PRIOR PLING DATE: 2000-09-05
    PRIOR PLING DATE: 2000-09-05
    PRIOR PLING DATE: 2000-07-19
    NUMBER OF SEQ ID NOS: 24143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: EXORGED, Stanton B.
APPLICANT: Exoralic, David K.
APPLICANT: Lou, Jingdong
APPLICANT: Lou, Jingdong
APPLICANT: Louf Linda L.
APPLICANT: Louf Livya, Linda L.
APPLICANT: McIninch, James
APPLICANT: McIninch, James
APPLICANT: McIninch, James
TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: 19200D
CURRENT APPLICATION NUMBER: US 09/914,435
PRIOR FILING DATE: 1909-12-28
PRIOR FILING DATE: 1909-12-28
PRIOR FILING DATE: 2000-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                       ó
                                                                                                                                                                                                                Score 31; DB 23; Length 181;
Pred. No. 9.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 199;
                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 31; DB 21;
Pred. No. 1.1e+03;
                                                                                                            LOCATION: (1)..(181)
COTHER INFORMATION: unsure at all Xaa locations
US-09-816-660-23063
                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 23065, Application US/09816660; GENERAL INFORMATION:
                                                                                                                                                                                                                91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91.2%;
                                                                                                                                                                                        Query Match
Best Local Similarity 85.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 85.7
                                   ORGANISM: Oryza sativa FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Oryza sativa
US-09-733-089-23065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ||:||||
154 KKVVFFA 160
                                                                                                                                                                                                                                                                                                                                                                        136 KKVVFFA 142
                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KKLVFFA 7
                                                                                    NAME/KEY: unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-733-089-23065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-816-660-23065
                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 23063, Application US/09816660

Sequence 23063, Application US/09816660

GENERAL INFORMATION:

APPLICANT: Dotson, Stanton B.

APPLICANT: Lutifyya, Linda L.

APPLICANT: Lutifyya, Linda L.

APPLICANT: Lutifyya, Linda L.

APPLICANT: McIninch, James

APPLICANT: Weinlinch, James

TITLE OF INVENTION: Transcription In Plants

TITLE OF INVENTION: Transcription In Plants

TITLE OF INVENTION: NUMBER: US/09/816,660

CURRENT APPLICATION NUMBER: US 09/474,435

PRIOR APPLICATION NUMBER: US 09/474,435

PRIOR PLING DATE: 2000-12-18

PRIOR PILING DATE: 2000-12-11

SPRIOR PILING DATE: 2000-12-11

SPRIOR PILING DATE: 2000-12-11

SPRIOR APPLICATION NUMBER: US 09/620,392

PRIOR FILING DATE: 2000-10-10

PRIOR FILING DATE: 2000-07-19

NUMBER: OF SEQ ID NOS: 24143

SEQ ID NO 23063

LENGTH: 181
                                                                                                                                                                                             APPLICANT: Doteon, Stanton B.
APPLICANT: Doteon, Stanton B.
APPLICANT: Doteon, Stanton B.
APPLICANT: Liu, Jingdong
APPLICANT: Liu, Jingdong
APPLICANT: Lutfiya, Linda L.
APPLICANT: Lutfiya, Linda L.
APPLICANT: McIninch, James
APPLICANT: McIninch, James
APPLICANT: McIninch, James
TITLE OF INVENTION: Transcription In Plants
TITLE OF INVENTION: Transcription In Plants
FILE REPERENCE: 38-21 (15300)D
CURRENT APPLICATION NUMBER: US/09/733,089
CURRENT APPLICATION NUMBER: US 09/474,435
PRIOR APPLICATION NUMBER: US 09/474,435
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR APPLICATION NUMBER: US 09/650,392
PRIOR FILING DATE: 2000-09-05
PRIOR FILING DATE: 2000-07-19
NUMBER: OF SEQ ID NOS: 24143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    91.2%; Score 31; DB 21; Length 181; 85.7%; Pred. No. 9.9e+02; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: unsure

LOCATION: (1)...(181)

COTHER INFORMATION: unsure at all Xaa locations
US-09-733-089-23063
                                                                                                                                                          ; Sequence 23063, Application US/09733089. ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Oryza sativa
||:||||
120 KKVVFFA 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ||:||||
| 136 KKVVFFA 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                       RESULT 20
US-09-733-089-23063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-816-660-23063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 23063
LENGTH: 181
```

ò 셤

ઠે

요

```
Sequence 28754, Application US/10155881
Sequence 28754, Application US/10155881
GENERAL INFORMATION:
APPLICANT: Dotson, Stanton B.
APPLICANT: Liu, Jingdong
APPLICANT: McIninch, James
TITLE OF INVENTION: TRANSCRIPTION IN PLANTS
TITLE OF INVENTION: TRANSCRIPTION IN PLANTS
TITLE OF INVENTION: US/10/155,881
CURRENT APPLICATION NUMBER: US/10/155,881
CURRENT FILING DATE: 2002-05-22
SEQ ID NO 28754
LENGTH: 1764
                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Dotson, Stanton B.
APPLICANT: Kovalic, David K.
APPLICANT: Lutfiyya, Linda L.
APPLICANT: Lutfiyya, Linda L.
APPLICANT: McIninch, James
TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
TITLE OF INVENTION: TRANSCRIPTION IN PLANTS
FILE REPERRINCE: 38-21(15300)J
CURRENT APPLICATION NUMBER: US/10/155,881
NUMBER OF SEQ ID NOS: 37595
SEQ ID NO 25401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 31; DB 27; Length 1764; Pred. No. 7.6e+03; 1; Mismatches 0; Indels C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 31; DB 27; Length 1764;
Pred. No. 7.66+03;
1; Mismatches 0; Indels
                                                                                                                                                                                                     Length 1640;
                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                  Score 31; DB 30;
Pred. No. 7.1e+03;
                                                                                                                                          ; OTHER INFORMATION: Clone ID: TF_OSC77457_1.pep
US-10-438-246-24934
                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 25401, Application US/10155881; GENERAL INFORMATION:
  CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 33516
SEQ ID NO 24934
LENGTH: 1640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            91.2%;
85.7%;
                                                                                                                                                                                                Query Match 91.2%;
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-155-881-25401
                                                                                TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||:||||
1719 KKVVFFA 1725
                                                                                                                                                                                                                                                                                                                         1595 KKVVFFA 1601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                   1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                       US-10-155-881-25401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 109646, Application US/10437963

Sequence 109646, Application US/10437963

SENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Wu, Wei

APPLICANT: Barbazuk, Brad

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 109646

LENGTH: L640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with TITLE OF INVENTION: Transcription in Plants and Uses Thereof for Plant Improvement FILE REFERENCE: 38-21 (53333) B CURRENT APPLICATION NUMBER: US/10/438,246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 91.2%; Score 31; DB 30; Length 1640; 85.7%; Pred. No. 7.1e+03; ive 1; Mismatches 0; Indels (
                                                                                                                                                                                                                                                               Length 199;
                                                                                                                                                                                                                                                            Score 31; DB 23; Length 19
Pred. No. 1.1e+03;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Clone ID: PAT_MRT4530_13784C.1.pep
US-10-437-963-109646
                                           US 09/684,016
Sequence 24934, Application US/10438246 GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J. APPLICANT: Lutfiyya, Linda L. APPLICANT: Zhou, Yihua
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Boukharov, Andrey A.
                                                                                                                                                                                                                                                                 91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Zhou, Yihua
Kovalic, David K.
Barbazuk, Brad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                              TYPE: PRT;
CRGANISM: Oryza sativa
US-09-816-660-23065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ||:||||
1595 KKVVFFA 1601
                                                                                                                                                                                                                                                                                                                                                                    ||:||||
154 KKVVFFA 160
                                                                                                                                                                                                                                                                                                                                           1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-437-963-109646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 25
US-10-438-246-24934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
```

ò g

```
NAME: Hanley, Blizabeth A. REGISTRATION NUMBER: 33,505 REFERENCE/DOCKET NUMBER: PPI TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                        NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & C
                                                                                                                                                                                                                                                                                         Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
US-08-548-998-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-548-998-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with TITLE OF INVENTION: Transcription in Plants and Uses Thereof for Plant Improvement FILE REPERBNCE: 38-21(5333)B CURRENT APPLICATION NUMBER: US/10/438,246 CURRENT FILING DATE: 2003-05-14 NUMBER OF SEQ. ID NOS: 33516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 31; DB 30; Length 1764;
Pred. No. 7.6e+03;
1; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Application of Peptide Conjugates to TITLE OF INVENTION: Application of Peptide Conjugates to TITLE OF INVENTION: Alzhaimer's Disease FILE REFERENCE: 2615-1-001PCT CURRENT APPLICATION NUMBER: PCT/US02/26889 CURRENT APPLICATION NUMBER: 2002-08-23 PRIOR APPLICATION NUMBER: 60/314,382 PRIOR PILING DATE: 2001-08-23 NUMBER OF SEQ ID NOS: 16 SOFTWARE: PastSEQ for Windows Version 4.0 SEQ ID NO 7 LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%; Score 30; DB 1; Length 6; 100.0%; Pred. No. 6.4e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Clone ID: TF_OSC401375j.Cl.p5.fg
US-10-438-246-17664
                                                                                                                                             Sequence 17664, Application US/10438246
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Lutfiyya, Linda L.
APPLICANT: Zhou, Yihua
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application PC/TUS0226889
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                             Boukharov, Andrey A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                              Zhou, Yihua
Kovalic, David K.
Barbazuk, Brad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Conservative
                                    ||:||||
| 1719 KKVVFFA 1725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1719 KKVVFFA 1725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KKLVFF 6
                                                                                                                               US-10-438-246-17664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 17664
LENGTH: 1764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -US02-26889-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US02-26889-7
                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                  음
                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      а
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
```

RESULT 30

```
Sequence 6, Application US/08548998
GENERAL INFORMATION:
APPLICANT: Mark A. Findeis, Howard Benjamin, Marc B. Garnick,
APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman,
APPLICANT: Gary Musso, Ethan R. Signer, James Wakefield,
APPLICANT: Gary Musso, Stuan Molineaux, William Kubasek, Joseph
APPLICANT: Chin, Jung-Ja Lee and Michael Kelley.
TITLE OF INVENTION: Modulators of {SYMBOL 98 \f "Symbol"}-Amyloid Peptide Aggrega
TITLE OF INVENTION: Comprising an Ab Aggregation Core Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Mark A. Findeis, Howard Benjamin, Marc B. Garnick,
APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman,
APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman,
APPLICANT: Gary Musso, Ethan R. Signer, James Wakefield,
APPLICANT: Michael Reed, Susan Molineaux, William Kubasek, Joseph
APPLICANT: Chin, Jung-Ja Lee and Michael Kelley.
TITLE OF INVENTION: Modulators of {SYMBOL 98 \f "Symbol"}-Amyloid Peptide Aggrega
TITLE OF INVENTION: Comprising an Ab Aggregation Core Domain
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .,
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/548,998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 30; DB 9;
Pred. No. 6.4e+06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: LAHIVE & COCKFIELD STREET: 60 State Street, Suite 510 CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: LAHIVE & COCKFIELD, LLP 28 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 31
US-08-548-998A-6
; Sequence 6, Application US/08548998A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER:
```

```
US-08-616-081A-7
; Sequence 7, Application US/08616081A
; GENERAL INFORMATION:
; APPLICANT: Findeis, Mark A. et al.
; TITLE OF INFORMATION: Modulators of {SYMBOL 98 \f "Symbol"}-Amyloid Peptide Aggrega
; TUTLE OF INFORMES: 45
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                             0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/08616081

Sequence 7, Application US/08616081

Sequence 7, Application US/08616081

Sequence 7, Application US/08616081

APPLICANT: Findeis, Mark A. et al.

TITLE OF INVENTION: Modulators of b-Amyloid Peptide Aggregation

TITLE OF INVENTION: Comprising an Ab Aggregation Core Domain

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSER: LAHIVE & COCKFIELD

STREET: 60 State Street, Suite 510

CITY: Boaton

STATE: Massachusetts

COUNTRY: USA

CONTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                        Score 30, DB 10; Length 7; Pred. No. 6.4e+06; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/616,081
FILING DATE: Herewith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%; Score 30; DB 10;
85.7%; Pred. No. 6.4e+06;
iive 1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 252
PRIOR APPLICATION DATA:
PAPLICATION DATA:
FILING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-016CP
TELECOMMINICATION INFORMATION:
                                                                                                                              88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (617)227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                Query Match 88.2
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
                                            MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
     amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                  1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 oktivera 7
                                                                                                                                                                                                                                                                              1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                     US-08-616-081-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-616-081-7
                                                                              US-08-612-785-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMITON:
GENERAL INFORMITON:
APPLICANT: Fininds, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSES: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STRATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER: FEADABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OMPUTER: IBM PC compatible
OMPUTER: FEADABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: BENETING NOWER: PLOSF/MS-DOS
SOFTWARE: PAECHIT Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785
FILING DATE: H-FRWITH:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: APPLICATION NUMBER: USSN 08/548,998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 9; Length 7; Pred. No. 6.4e+06; 1; Mismatches 0; Indels
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMERR: US/08/548,998A
FILING DATE: 21-OCT-1995
CLASSIFICATION: 514
                                                                                                      FILING DATE: 21-0CT-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INPORMATION:
NAME: Hanley, Elizabeth A.
REGISTRATION NUMBER: 33,505
REPERENCE/DOCKET NUMBER: PPI-016
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-7400
TELEFAX: (617)227-5541
INPORMATION POR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
TYPE: amino acids
TOPOLOGY: linear
NOLECULE TYPE: peptide
US-08-548-998A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: DECORL, GIULIO A.
REGISTRATION NUMBER: 31,503
REFRENCE/DOCKET NUMBER: PPI-(TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-7401
INFORMATION FOR SEQ ID NO: 7: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/08612785 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-612-785-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
```

Gaps

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/09972475A
Sequence 7, Application US/09972475A
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                       88.2%; Score 30; DB 25; Length 7; 85.7%; Pred. No. 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Boston
STATE: Massachusetts
COUNTEY: USA
ZIP: 02109-1875
COMPUTER READABLE FOOM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/972,475A
FILING DATE: 04-Oct-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/617,267
FILING DATE: 14-MAR-1996
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNU-1995
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 30; DB 25;
Pred. No. 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2CN
                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
  REGISTRATION NUMBER: 31,503
                                             TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION
                                                               TELEPHONE: (617)227-7400
                                                                                   TELEFAX: (617)227-5941 INFORMATION FOR SEQ ID NO: 7: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (617)742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 7 amino acids
TYPE: amino acid
                                                                                                                                                  LENGTH: 7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 7
                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
6, Conserve
                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 36
US-09-972-475A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-972-475A-7
                                                                                                                                                                                                                                                             US-09-972-475-7
                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Findeis, Mark A. et al.

TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 10; Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                   COMPUTER: DAILY
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATURS SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/616,081A
PLING DATE: Herewith
CLASSIFICATION: 514
PRICASIFICATION DATA:
APPLICATION NUMBER: US/08/548,998
PLING DATE: 27-CT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECORTI, Giulio A.
REGISTRATION NUMBER: PPI-016CP
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: «Unknown»
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UTN-1995
APPLICATION NUMBER: USSN 08/548,998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30; DB ]
Pred. No. 6.4e-
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/972,475
FILING DATE: 04-Oct-2001
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/617,267
3: LAHIVE & COCKFIELD, LLP
28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/09972475 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (617) 227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 amino acide
                                                               Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 8:
Matches 6; Conservati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
               STREET: 20
                                                             STATE: Mass.
COUNTRY: US.
ZIP: 02109
ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-616-081A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-972-475-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
```

```
PRIOR APPLICATION NUMBER: US 60/458,469
PRIOR FILING DATE: 2003-03-28
PRIOR PILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: US 60/458,509
PRIOR APPLICATION NUMBER: US 60/458,510
PRIOR PILING DATE: 2003-03-28
NUMBER OF SEQ ID NOS: 131
SEQ ID NO 128
2003-03-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ropology:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-548-998-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 128, Application US/10810881A
GENERAL INFORMATION:
APPLICANT: Mercken, Marc; Benson, Jacqueline M.
TITLE OF INVENTION: ANTI-AMYLOID ANTIBODIES, COMPOSITIONS, METHODS AND USES FILE REFERENCE: CENS 0.1 NP
CURRENT APPLICATION NUMBER: US/10/810,881A
CURRENT FILING DATE: 2004-03-26
PRIOR APPLICATION NUMBER: US 60/458,474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: COMPOTION:
COMPUTER: STEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/10/463,729
FILING DATE: 17-Jun-2003
CLASSIFICATION: <UNknown>
                                                                                                                                                                                                                      APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%; Score 30; DB 30; Le
85.7%; Pred. No. 6.4e+06;
"Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/617,267
FILING DATE: 14-MAR-1996
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (617)227-7400
TELEPRAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                          Sequence 7, Application US/10463729
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                         CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-810-881A-128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE
                                                                                                                                                          US-10-463-729-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-463-729-7
                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

```
APPLICANT: Mark A. Findeis, Howard Benjamin, Marc B. Garnick,
APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman,
APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman,
APPLICANT: Gary Musso, Ethan R. Signer, James Wakefield,
APPLICANT: Michael Reed, Susan Molineaux, William Kubasek, Joseph
APPLICANT: Chin, Jung-Ja Lee and Michael Kelley.
TITLE OF INVENTION: Modulators of {SYMBOL 98 \f {"Symbol"}-Amyloid Peptide Aggrega
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                               ö
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 30; DB 9; Length 8; Pred. No. 6.4e+06; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/548,998
FILING DATE:
CLASSIFICATION: 514
NAME: Hanley, Elizabeth A.
REGISTRATION NUMBER: 33,505
                                                                                      Score 30; DB 34;
Pred. No. 6.4e+06;
                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                       Sequence 4, Application US/08548998
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: PP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%;
                                                                                      88.2%;
85.7%;
; FEATURE:
; OTHER INFORMATION: PEPTIDE
US-10-810-881A-128
                                                                  Query Match
Best Local Similarity 85.72
5.72 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (617) 227-594
INFORMATION FOR SEQ ID NO:
```

```
Sequence 5, Application US/08616081
GENERAL INFORMATION:
APPLICATY: Findeis, Mark A. et al.
TITLE OF INVENTION: Mcdulators of b-Amyloid Peptide Aggregation
TITLE OF INVENTION: Comprising an Ab Aggregation Core Domain
NUMBER OF SEQUENCES: 32
CORRESPONDENCE 32
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COMPUTRY: USA
ZIP: 02109-1875
COMPUTRY: USA
SOFTWARE: Patentin Release #1.0, Version #1.25
COMPUTRY: By Detentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: USA 08/548,998
FILING DATE: 127-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECORT; Giulio A.
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: PPI-016CP
REGISTRATION NUMBER: PPI-016CP
REGISTRATION NUMBER: PPI-016CP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                            O'PERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,785
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/404,831
FILING DATE: 14-MAR-1995
PRIOR APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UN-1995
PRIOR APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DeCONTI, Gillio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP3
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-5941
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 30; DB 10;
Pred. No. 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 85...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; MOLECULE TYPE: peptide US-08-612-785-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
TOPOLOGY: linear
       MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                        APPLICANT: Marchard A. Findeis, Howard Benjamin, Marc B. Garnick, APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman, APPLICANT: Malcolm L. Gefter, Arvind Hundal, Laura Kasman, APPLICANT: Gary Musso, Ethan R. Signer, James Wakefield, APPLICANT: Michael Reed, Susan Molineaux, William Kubasek, Joseph APPLICANT: Chin, Jung-Ja Lee and Michael Kalley.

TITLE OF INVENTION: Modulators of {SYMBOL 98 \f "Symbol"}-Amyloid Peptide Aggrega INVENTION: Comprising an Ab Aggregation Core Domain CORESSONES: 11 CORRESSONES: 11 CORRESSONES: LAHIVE & COCKPIELD, LLP STREET: 28 State Street, Suite 510

CITY: BOSEON

STATE: MASSACHUSELES

COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 9; Length 8; Pred. No. 6.4e+06; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Finders, Mark A. et al.
TITLE OF INVENTION: Ab Peptides that Modulate b-Amyloid
TITLE OF INVENTION: Aggregation
TITLE OF INVENTION: Aggregation
MUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/548,998A
FILING DATE: 21-OCT-1995
CLASSIFICATION: 514
ATTONREY/AGENT INFORMATION:
NAME: Hanley, Elizabeth A
REGISTRATION NUMBER: 33,505
REBRENCE/POCKET NUMBER: PPI-016
TELECOMMULCATION INFORMATION:
TELECOMMULCATION: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                Sequence 4, Application US/08548998A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Application US/08612785 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (617) 227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 02109-1875
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 QKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 60 St
CITY: Boston
                                                                                                                                            JS-08-548-998A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-612-785-5
ઠે
                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
```

ઠ

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                          STATE: BOSSOLIUSETES
COUNTRY: USA

ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/972,475
FILING DATE: 04-Oct-2001
PRIOR APPLICATION NUMBER: 08/617,267
FILING DATE: CUNKNOWN:
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
STREET: 28 State Street
STATE: Massachusetts
COUNTRY: USA
ZUP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC Compatible
COMPUTER: PIN PC Compatible
COMPUTER: PATENTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5, Application US/09972475A
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INTENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
UNDER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 30; DB 25;
Pred. No. 6.4e+06;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: DeConti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
                                                                                   ADDRESSEE: LAHIVE & COCKFIELD, LLP STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/972,475A
FILING DATE: 04-Oct-2001
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                             CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :||||||
2 QKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-972-475A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-972-475-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of {SYMBOL 98 \f "Symbol"}-Amyloid Peptide Aggrega
NUMBER OF SEQUENCES:
ADDRESSE: 45
ADDRESSE: LAHIVE & COCKFIELD, LLP
STRETT: 28 State Street
STRETT: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 8;
                                                                                                                                                                                                                   Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARES PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/616,081A
FILING DATE: Herewith
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: USSN 08/548,998
FILING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DECORT: Glulio A.
REGISTRATION NUMBER: 31,503
REGISTRATION NUMBER: 31,503
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                   Score 30; DB 10;
Pred. No. 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 30; DB
Pred. No. 6.4e
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08616081A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application US/09972475; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%;
                                         INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS: LENGTH: 8 amino acids TYPE: amino acid TOPOLOGY: linear
  (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (617) 227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                     MOLECULE TYPE: peptide US-08-616-081-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                   1 KKLVFFA 7 : | | | | | | | 2 QKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 OKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-616-081A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-616-081A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                          g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USENDERAL INFORMATION:

APPLICANT: Vitek Dr., Michael P.
APPLICANT: Jacobsen Dr., Jack S.
TITLE OF INVENTION: Novel Janyloid Precursor Proteins and TITLE OF INVENTION: Methods of Using Same TITLE OF INVENTION: USA STATE: CT COUNTRY: USA STATE: CT COUNTRY: USA STATE: CT COUNTRY: USA STATE: DEPTONE OF COMPUTER: DEPTONE OF COMPUTER: DEPTONE OF COMPUTER: DETONE OF COMPUTER: D
                                                                                                                                                                                                                                                      88.2%; Score 30; DB 30; Length 8; 85.7%; Pred. No. 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%; Score 30; DB 3;
85.7%; Pred. No. 6.4e+06
                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                             TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 48
US-07-877-675A-25
; Sequence 25, Application US/07877675A
; GENERAL INFORMATION:
; APPLICANT: Vitek Dr., Michael P.
; APPLICANT: Jacobsen Dr., Jack S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 31
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEQ ID NO: 23:
      SEQUENCE CHARACTERISTICS
                                                                    amino acid
                                                                                                                                                                                                                                               Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                        2 OKLVFFA 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 47
US-07-877-675A-23
                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRING APPLICATION DATE:
APPLICATION NUMBER: US/10/463,729
FILING DATE: 17-Jun-2003
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5, Application US/10463729
GENERAL INFORMATION:
APPLICANT: Findeis, Mark A. et al.
TITLE OF INVENTION: Modulators of Amyloid Aggregation
NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 30; DB 25; Length 8; Pred. No. 6.4e+06; Mismatches 0; Indels
                                                                                                                                                                                                               FILING DATE: 27-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A.
REGISTATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2CN
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/617,267
FILING DATE: 14-MAR-1996
APPLICATION NUMBER: USN 08/404,831
FILING DATE: 14-MAR-1995
APPLICATION NUMBER: USN 08/475,579
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: USN 08/548,998
FILING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                       FILING DATE: 14-MAR-1995
APPLICATION NUMBER: USSN 08/475,579
FILING DATE: 07-UNA-1995
APPLICATION NUMBER: USSN 08/548,998
APPLICATION NUMBER: USSN 08/617,267
                         FILING DATE: 14-MAR-1996
APPLICATION NUMBER: USSN 08/404,831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Deconti, Giulio A.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: PPI-002CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-5941
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPOLGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-972-475A-5.
                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (617)227-7400
TELEPRAX: (617)42-4214
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 88.2
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 46
US-10-463-729-5
```

δ 셤

```
Best Local Similarity 85.7
Matches 6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Search completed: March
Job time : 262.397 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 OKLVFFA 9
                                                                              1 KKLVFFA 7
                                                                                                        3 OKLVFFA 9
                                                                                                                                                                                                          US-09-867-847A-9
                                                                                ð
                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 9, Application US/09867847

SEMERAL INFORMATION:
APPLICANT: Chalifour, Robert.
APPLICANT: Hobert, Lise
APPLICANT: Hobert, Lise
APPLICANT: Kong, Xianqi
APPLICANT: Kong, Xianqi
APPLICANT: Cervais, Francine
TITLE OF INVENTION: AND ANYLOID RELATED DISEASES
TITLE OF INVENTION: AND ANYLOID RELATED DISEASES
FILE REPERENCE: 14445-501 CIP
CURRENT PLING DATE: 2001-09-0
CURRENT PLING DATE: 1999-11-29
FRIOR APPLICATION NUMBER: 60/168,594
FRIOR APPLICATION NUMBER: 09/724,842
FRIOR APPLICATION NUMBER: 09/724,842
FRIOR PLING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 9
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: All D peptides ; OTHER INFORMATION: or peptidomimetics US-09-867-847-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                 Novel Amyloid Precursor Proteins and
Methods of Using Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 3; Length 9; 6.4e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
TITLE OF INVENTION: Novel Amyloid Precursor Proteins a TITLE OF INVENTION: Methods of Using Same NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: American Cyanamid Company STREET: 1937 West Main Street
CITY: Stamford
STRATE: CT
COUNTRY: USA
ZIF: 06904-0060
COMPUTER: IBM PC Compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/07/877,675A
APPLICATION NUMBER: US/07/877,675A
FILING DATE: 19920501
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LOWNEY, Dr., KAREN A.
REGISTRATION: 100-0444-059
TELECOMMUNICATION INFORMATION:
TELEFAX: 203-321-2971
TELEFAX: 203-321-2971
TELEFAX: 203-321-2971
TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 3; Pred. No. 6.4e-1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88.2%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 OKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KKLVFFA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-07-877-675A-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
```

88.2%; Score 30; DB 23; Length 9;

Query Match

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                        Gapa
                                                                                                                                                                                                              Sequence 9, Application US/09867847A

Sequence 9, Application US/09867847A

GENERAL INFORMATION:

APPLICANT: Chalifour, Robert

APPLICANT: Hebert, Lise

APPLICANT: Hebert, Lise

FILE APPLICANT: Gervais, Francine

TITLE OF INVENTION: Vaccine for the Prevention and Treatment

TITLE OF INVENTION: Of Alzheimer's and Amyloid Related Diseases

FILE REFERENCE: 50291/00501

CURRENT APPLICATION NUMBER: US/09/867,847A

CURRENT FILING DATE: 2001-05-29

FRIOR FILING DATE: 2009-11-28

PRIOR FILING DATE: 1999-11-28

PRIOR FILING DATE: 1999-11-29

NUMBER OF SEQ ID NOS: 65

SEQ ID NOS: 65

SEQ ID NO 9

LEAVENT OF TANNER OF SEQ FOR Windows Version 4.0
                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Synthetic, All D peptides or peptidomimetics US-09-867-847A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 30; DB 23; Length 9;
Pred. No. 6.4e+06;
1; Mismatches 0; Indels
                      Indels
85.7%; Pred. No. 6.4e+06;
                   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9, 2005, 07:28:33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 85.7
Matches 6; Conservative
```